FLIGHT COMPARTMENT LINING AND INSULATION - MAINTENANCE PRACTICES

1. General

A. Maintenance of flight compartment lining and insulation consists of removal, installation, and minor repairs by patching of affected sections. When lining or blanket sections are damaged excessively, the section should be replaced with a new section. Minor repairs can be made normally without removing the section from its location.

2. Tools and Equipment Required

NOTE: Equivalent substitutes may be used instead of the following listed items.

Item	Name	Number	Manufacturer	Use
A	Adhesive	H-145	Stabond Corp. Gardena, Calif.	Cementing vapor barriers and seals
B	Denatured alcohol	Commercially available		Cleaning areas to be cemented
C	Blanket material	S5704200	Douglas Aircraft Co., Inc.	Repair and patch blanket
D	Lining material	ABS plastic sheet	Douglas Aircraft Co., Inc.	Repair and patch lining
E	Adhesive	EC-870	Minnesota Mining & Mfg. Co., Los Angeles, California	Repair blankets

3. Removal/Installation Lining and Blanket Sections (Typical)

A. Remove Lining and Blanket Section

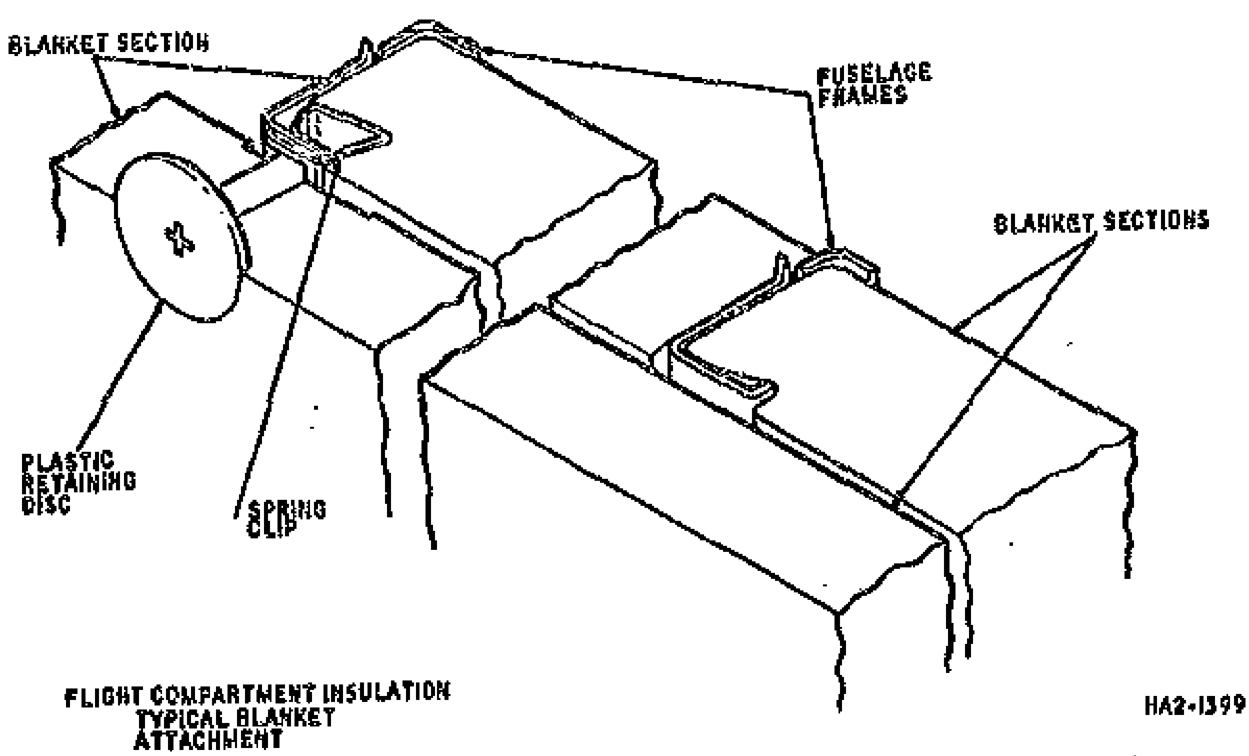
(1) Remove only necessary equipment to gain access to affected area.

(2) Remove attaching screws from lining.

(3) Remove lining.

(4) Remove plastic retaining discs from blanket section.

(5) Break seal at blanket flaps. Remove blanket section.



Flight Compartment Insulation
Figure 201

Printed in U.S.A.

B. Install Lining and Blanket Section

(1) Ensure area is clean where blanket section is to be installed, by using denatured alcohol to clean surface, as necessary.

(2) Apply 2-inch spots of adhesive (H-145) or equivalent, approximately 10 to 14 inches from centers to outer surface of between frame blanket.

(3) Hold blanket in place and install plastic retaining discs.

(4) Press blanket in place with light hand pressure.

(5) Cement over frame blanket flaps, as applicable, to adjacent blanket section with adhesive (H-145).

(6) Hold lining section in place and install attaching screws.

(7) Install removed equipment.

4. Approved Minor Repairs (Lining and Blanket)

A. Repair Lining

(1) Clean area surrounding damage with denatured alcohol.

(2) Cement a piece of lining material (ABS plastic sheet) over hole or crack with adhesive (EC-870).

B. Repair Blanket

(1) Clean area surrounding damage with denatured alcohol.

(2) Cement a piece of blanket material (S5704200) over hole or tear with adhesive (H-145).

CAPTAINS BRIEFCASE STOWAGE FLOOR PANEL - MAINTENANCE PRACTICES

1. Tools and Equipment Required

Item	Name	Number	Manufacturer	Use
A	Cleaning Solvent	MIBK		Cleaning mating surfaces of floor panel and panel support
B	Sealing compound	28-CO-0046		Sealing briefcase stowage floor panel and panel support.

2. Removal/Installation - Captains Briefcase Stowage Floor Panel

A. Remove Floor Panel

(1) Loosen and remove bolts securing floor panel to panel support.

(2) Break seal and remove floor panel.

B. Install Floor Panel

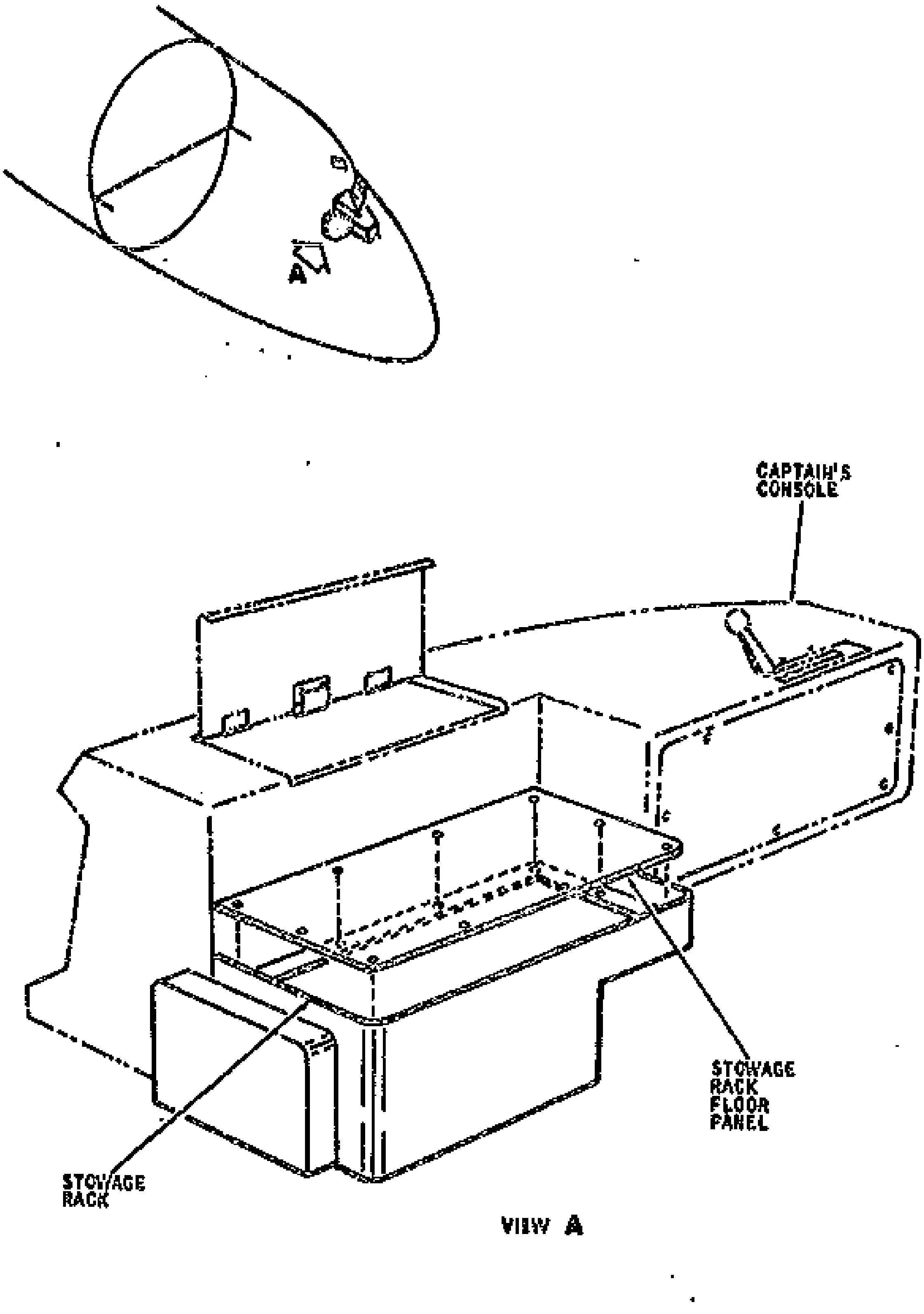
(1) Clean mating surfaces of the briefcase floor panel and panel support.

(2) Apply a layer of sealing compound to the panel support bearing surface.

(3) Place briefcase floor panel into position on panel support.

NOTE: Make certain a satisfactory seal is obtained between the floor panel and the panel support.

(4) Install and tighten bolts holding floor panel in place.



HA2-5555

Pilot's Console Briefcase Stowage Floor Panel -- Removal/Installation
Figure 201

CAPTAIN'S AND FIRST OFFICER'S SEATS - MAINTENANCE PRACTICES

1. General

   A. Removal, installation, adjustment, and lubrication procedures for the captain's and first officer's seats are identical.

2. Tools and Equipment Required

   NOTE: Equivalent substitutes may be used instead of the following listed items.

Item	Name	Number	Manufacturer	Use
A	General purpose oil	MIL-L-7870	Commercially available	Lubricating seat mechanism
B	Solid film lubricant	Lubribond A	Electrofilm, Incorporated North Hollywood, Calif.	Lubricating seat tracks
C	Cleaning solvent	PD-680	Commercially available	Cleaning areas to be lubricated

3. Removal/Installation Captain's and First Officer's Seats (See Figure 201).

   A. Remove Seat

      (1) Remove any equipment obstructing removal of the seat.

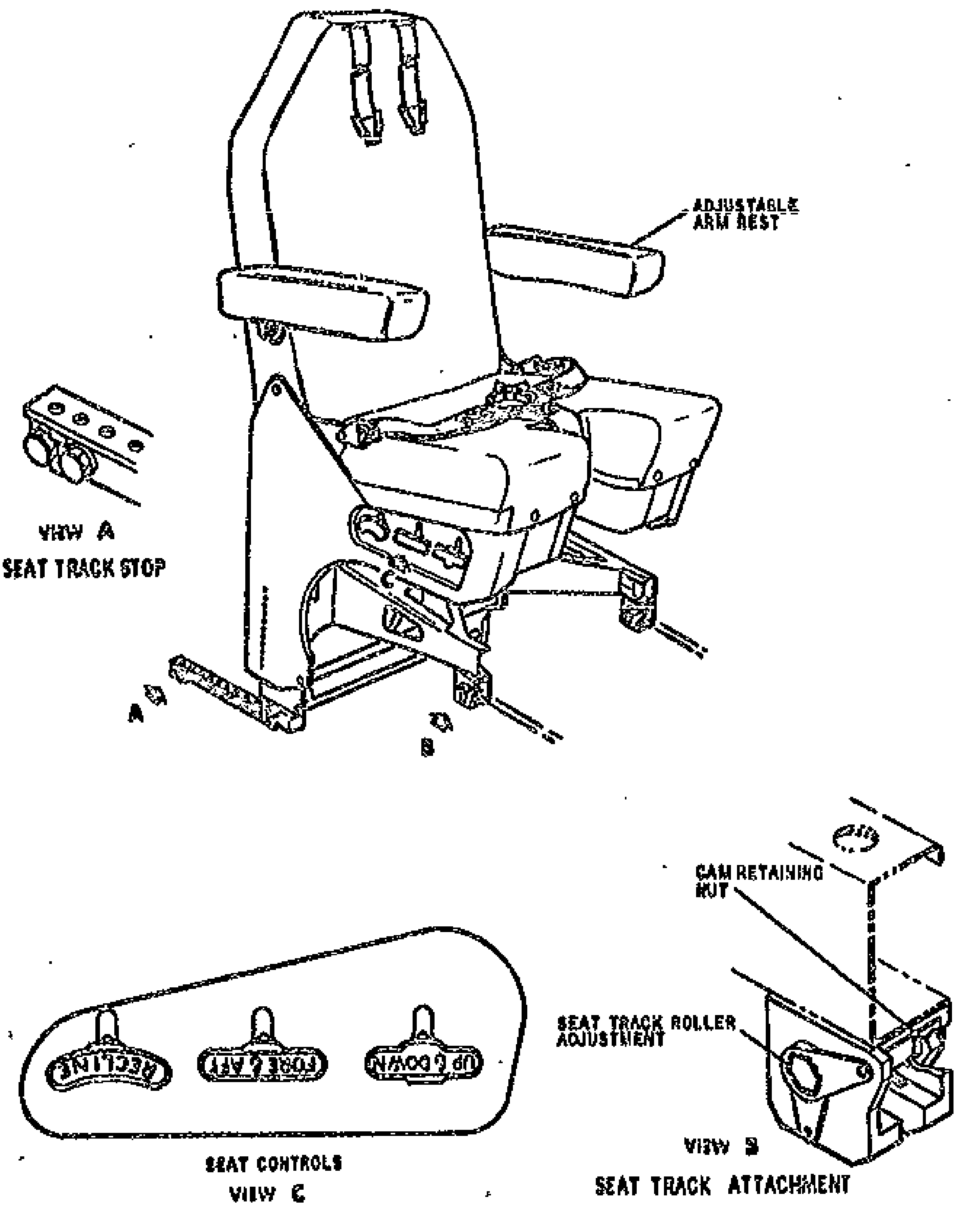
      (2) Remove bolts from each seat track stop, located at aft end of lower seat tracks.

      (3) Lift fore-and-aft control to release lockpins and move seat aft until free of tracks.

      (4) Remove seat.

   B. Install Seat

      (1) Clean seat rollers and pins; oil lightly with general purpose oil (MIL-L-7870) and wipe off excess oil.



HA2-1401

Captain's and First Officer's Seats --
Removal/Installation
Figure 201

(2) Clean seat tracks and lubricate lightly with solid film lubricant (Lubritond A).

(3) Hold seat in position and align seat track rollers with tracks.

(4) Lift fore-and-aft control to keep lockpins retracted.

(5) Slide seat forward on tracks.

(6) Install seat stops at aft end of lower tracks and tighten seat track stop bolts.

4. Adjustment/Test Captain's and First Officer's Seats (See Figure 201).

A. Adjust Seat Track Rollers

(1) Remove lock tab retaining screw from roller assembly to be adjusted.

(2) Remove lock tab.

(3) Loosen cam retaining nut.

(4) Move seat forward and aft, tightening hex-head adjustment until seat stops moving, then loosen adjustment until seat rolls freely.

(5) Install lock tab. If tab retaining screw hole does not align after engaging hex, turn tab over and install.

(6) Install lock tab retaining screw.

(7) Tighten cam retaining nut.

5. Lubrication - Captain and First Officer Seats (See Chapter 12).

FLIGHT ENGINEER'S AND OBSERVER'S SEATS - MAINTENANCE PRACTICES

1. General

   A. Removal/installation procedures for flight engineer's and observer's seats are identical.

   B. Seat tracks, rollers, and pins are to be cleaned and lubricated prior to installing seat assembly in seat tracks.

2. Tools and Equipment Required

   NOTE: Equivalent substitutes may be used instead of the following listed items.

Item	Name	Number	Manufacturer	Use
A	General purpose oil	MIL-L-7870	Commercially available	Lubricating seat mechanism.
B	Solid film lubricant	Lubribond A	Electrofilm, Inc., North Hollywood, Calif.	Lubricating seat tracks
C	Cleaning solvent	PD-680	Commercially available	Cleaning areas to be lubricated

3. Removal/Installation Flight Engineer's and Observer's Seats

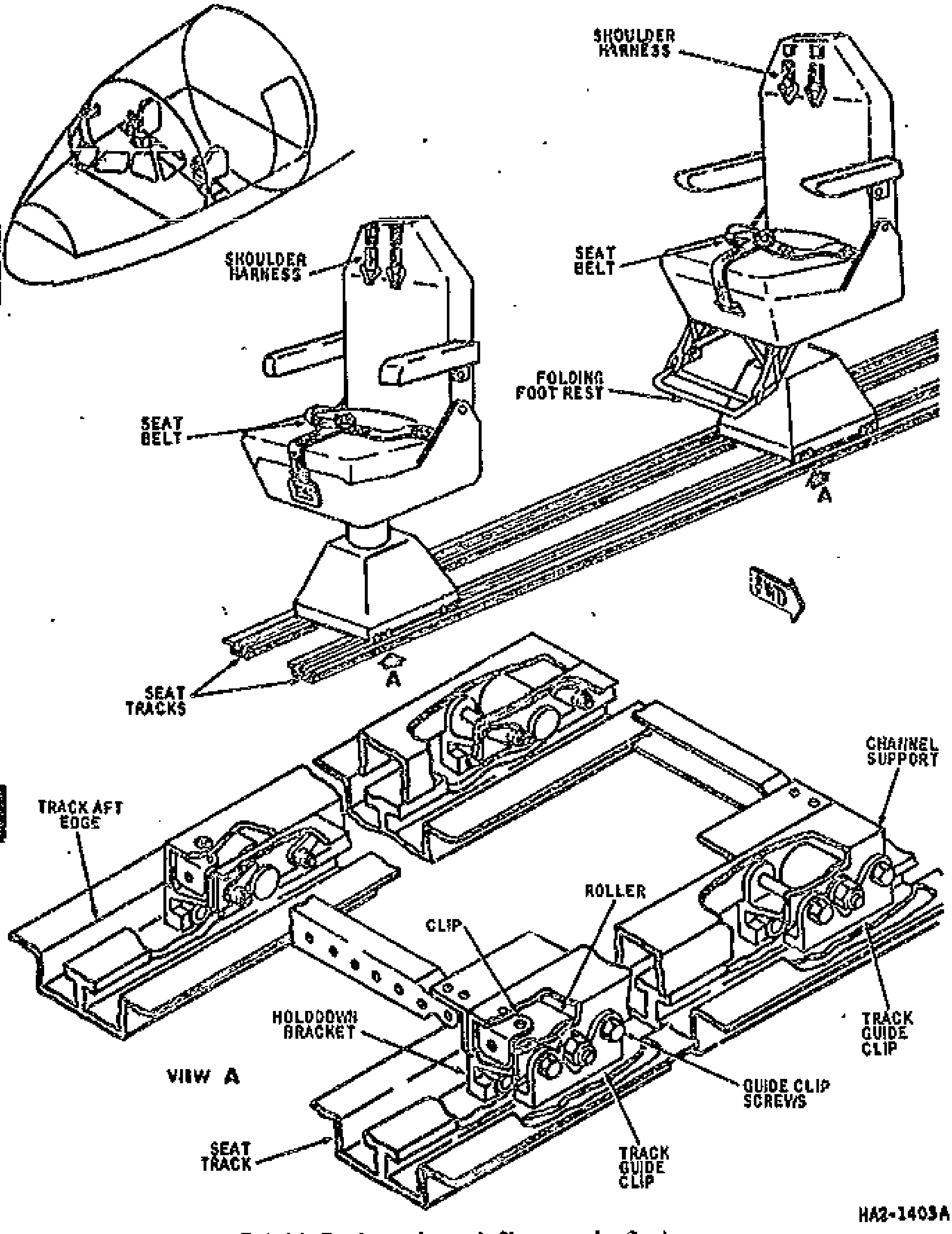
   A. Remove Seats

      (1) Loosen screws that attach two front guide clips to forward holdown brackets.

      (2) Raise lateral control lever and hold in up position.

      (3) Push seat aft until holdown brackets touch aft edge of seat track.

      (4) Lift seat out of seat tracks and remove.



Flight Engineer's and Observer's Seat --
Removal/Installation
Figure 201

B. Install Seats

(1) Clean seat rollers and pins, oil lightly with general purpose oil (MIL-L-7870) and wipe off excess oil.

(2) Clean seat tracks and lubricate lightly with solid film lubricant (Lubribond A).

(3) Place rear holdown brackets in aft groove of aft seat track.

(4) Lower forward holdown brackets into aft groove of forward seat track ensuring guide clips slip into forward groove of forward seat track.

(5) Tighten guide clip screws.

4. Lubrication - Flight Engineer and Observer Seats (See Chapter 12).

NAVIGATOR'S SEAT - MAINTENANCE PRACTICES

1. General

A. Seat tracks, rollers, and pins are to be cleaned and lubricated prior to installing seat assembly in seat tracks.

2. Tools and Equipment Required

NOTE: Equivalent substitutes may be used instead of the following listed items.

Item	Name	Number	Manufacturer	Use
A	General purpose oil	MIL-L-7870	Commercially available	Lubricating seat mechanism
B	Solid film Lubricant	Lubri-bond A	Electrofilm, Inc., North Hollywood, Calif.	Lubricating seat tracks
C	Cleaning solvent	PD-680	Commercially available	Cleaning areas to be lubricated

3. Removal/Installation Navigator's Seats

A. Remove Navigator's Seats

(1) Loosen screws that attach two front guide clips to forward holdown brackets.

(2) Raise lateral control lever and hold in up position.

(3) Push seat aft until holdown brackets touch aft edge of seat track.

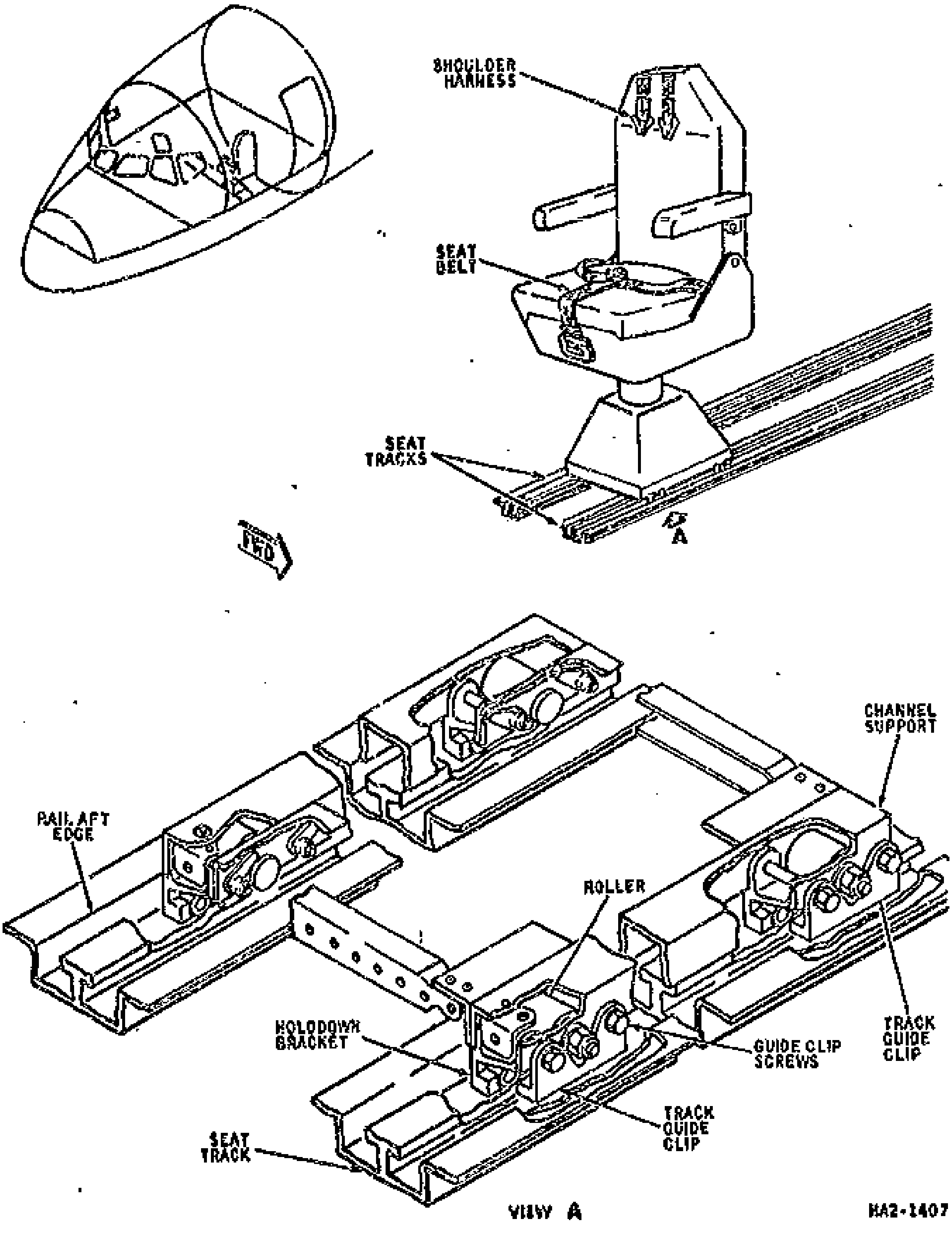
(4) Lift seat out of seat tracks and remove.

B. Install Navigator's Seats

(1) Clean seat rollers and pins, oil lightly with general purpose oil (MIL-L-7870) and wipe off excess oil.

(2) Clean seat tracks and lubricate lightly with solid silm lubricant (Lubribond A).

(3) Place rear holddown brackets in aft groove of aft seat track.



Navigator's Seat -- Removal/Installation
Figure 201

(4) Lower forward holdown brackets into aft groove of forward seat track ensuring guide clips slip into forward groove of forward seat track.

(5) Tighten guide clip screws.

4. <u>Lubrication - Navigator Seat</u> (See Chapter 12).

FLIGHT COMPARTMENT SUPPLEMENTAL SEAT - MAINTENANCE PRACTICES

1. General

   A. Seat tracks, rollers, and pins are to be cleaned and lubricated prior to installing seat assembly in seat tracks.

2. Tools and Equipment Required

   NOTE: Equivalent substitutes may be used instead of the following listed items.

Item	Name	Number	Manufacturer	Use
A	General purpose oil	MIL-L-7870	Commercially available	Lubricating seat mechanism
B	Solid film lubricant	Lubribond A	Electrofilm, Inc., North Hollywood, Calif.	Lubricating seat tracks
C	Cleaning solvent	PB-680	Commercially available	Cleaning areas to be lubricated

3. Removal/Installation - Supplemental Seat

   A. Remove supplemental seat

      (1) Lock seat in upright position, and remove bolts at base of each leg which close locking lugs around seat track edges.

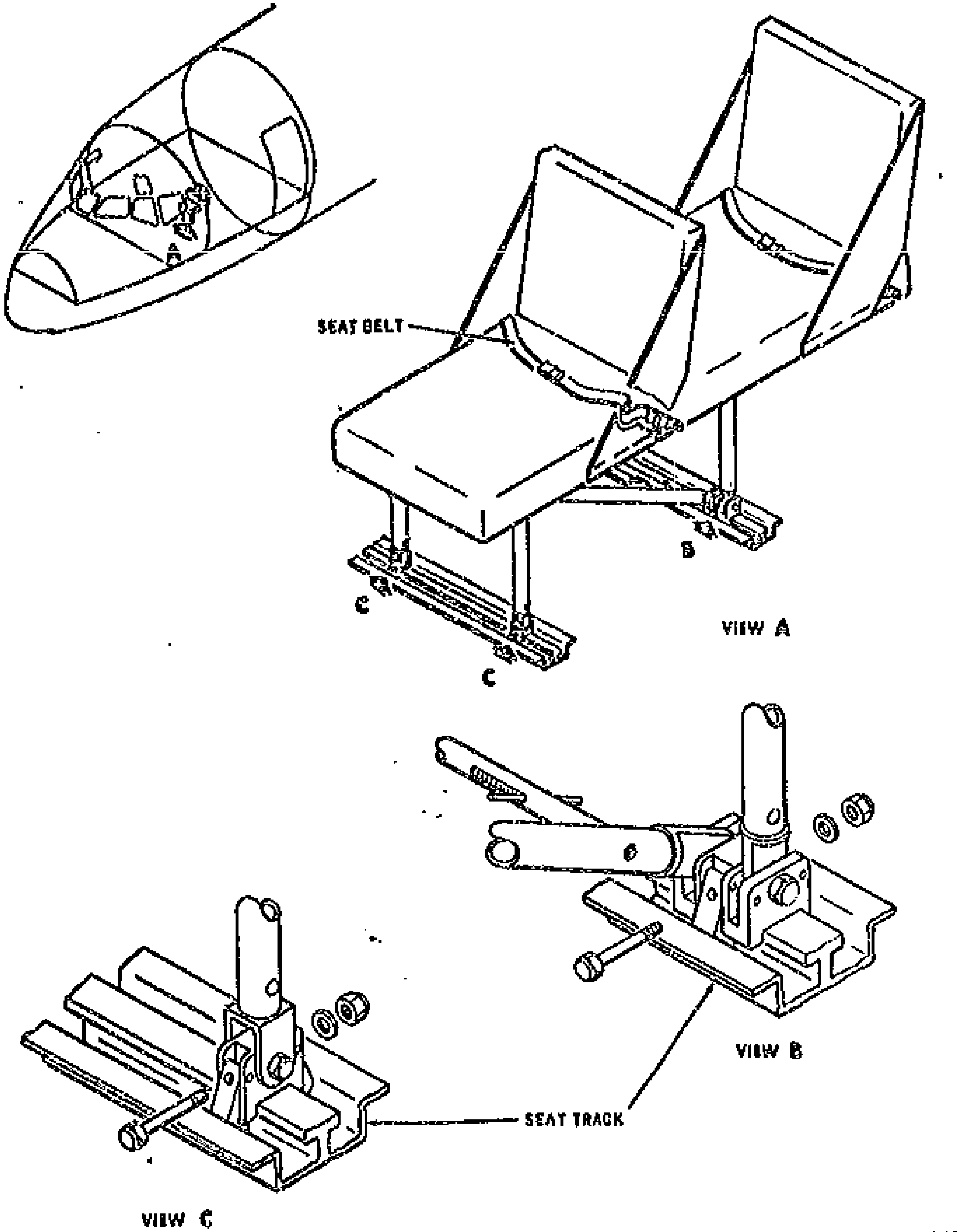
      (2) Remove seat and replace bolts in seat legs.

      NOTE: Bolts must be inserted with heads towards the seat front to allow seat to fold flat.

   B. Install supplemental seat

      (1) Open seat legs until diagonal seat brace locks in place and place seat in an upright position.

      (2) Remove bolts at base of each leg.



Flight Compartment Supplemental Seat - Removal/Installation
Figure 201

(3) Position seat facing forward with front legs on aft track of the Observer's seat and rear legs on aft track of the Navigator's seat. Seat should be located as far to the left of the flight compartment as possible.

(4) Secure seat in seat tracks.

(a) Insert pins at base of each leg into holes on top of tracks.

(b) Close locking lugs on base of each leg around track edges.

(c) Insert bolts through legs to secure lugs around tracks, being certain bolt heads are toward the seat front. Tighten nuts on bolts.

NOTE: When not in use, seat may be folded flat by unlocking diagonal seat brace and pushing seat forward.

FLIGHT COMPARTMENT COURIER SEAT - MAINTENANCE PRACTICES

1. General

A. Seat attachments, hinges, and pins are to be cleaned and lubricated before installing seat assembly on seat attach fittings.

2. Tools and Equipment Required

NOTE: Equivalent substitutes may be used instead of the following listed items.

Item	Name	Number	Manufacturer	Use
A	General purpose oil	MIL-L-7870	Commercially available	Lubricating seat mechanism
B	Solid film lubricant	Lubribond A	Electrofilm, Inc., North Hollywood, Calif.	Lubricating seat attach fittings and tracks
C	Cleaning solvent	PD-680	Commercially available	Cleaning areas to be lubricated

3. Removal/Installation - Courier Seat

A. Remove courier seat

(1) Unlock camloc studs under aft seat cushion which attach courier seat to aft partition ledge.

(2) Remove hinge pin from piano hinge which joins seat forward armrest to forward lavatory wall.

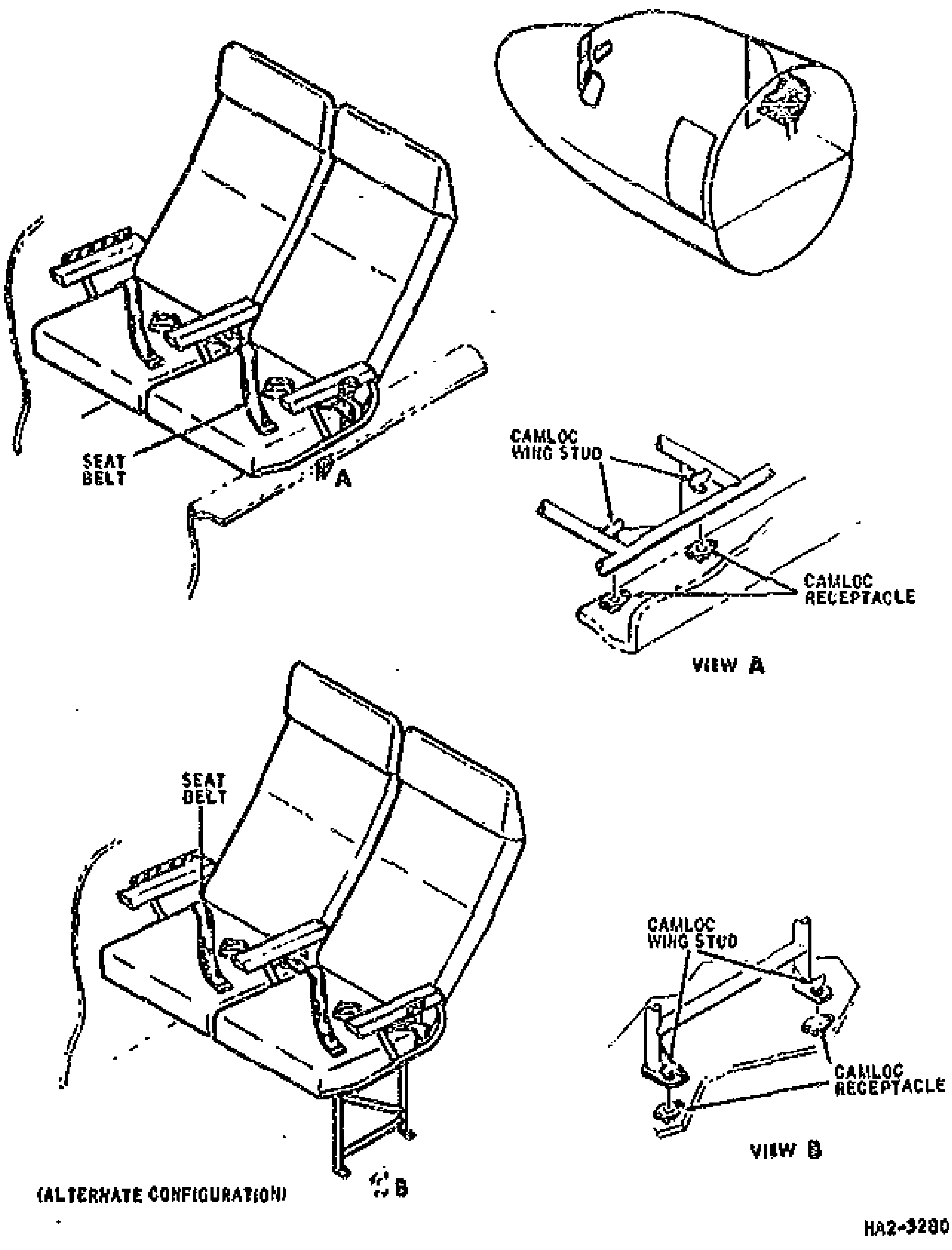
(3) Remove seat.

B. Install courier seat

(1) Position and secure courier seat facing inboard to the forward and aft partitions.

(a) Locate courier seat, facing inboard, between the fore and aft partitions.

(b) Join the two halves of the piano hinge on the forward armrest and forward partition, and secure hinge halves with hinge pin.



Flight Compartment Courier Seat - Removal/Installation
Figure 201

(c) Unsnap and lift aft seat cushion to attach the two camloc studs in the bottom of the seat into camloc receptacles in aft partition ledge.

(2) Secure courier seat against forward partition when seat is not used.

(a) Unlock camlocs which secure seat to aft partition ledge.

(b) Fold seat up against forward partition.

(c) Lock camloc stud in armrest to receptacle in forward partition.

FLIGHT COMPARTMENT COURIER SEAT - MAINTENANCE PRACTICES

1. General

   A. Seat attachments and floor fittings are to be cleaned before installing seat assembly.

   B. Adjustment or inspection/check of seat breakover feature should be checked before seat installation.

2. Removal/Installation-Courier Seat

   A. Remove Courier Seat

      (1) Remove attachment bolts and washers from base legs. Retain hardware for seat installation.

      (2) Remove seat.

   B. Install Courier Seat

      (1) Clean compartment area and floor fittings before seat installation.

      (2) Install and align courier seat with floor fittings. Seat faces inboard.

      (3) Install attachment bolts in seat base legs, and tighten bolts.

      (4) If necessary, seat may be retained in a folded or full breakover position.

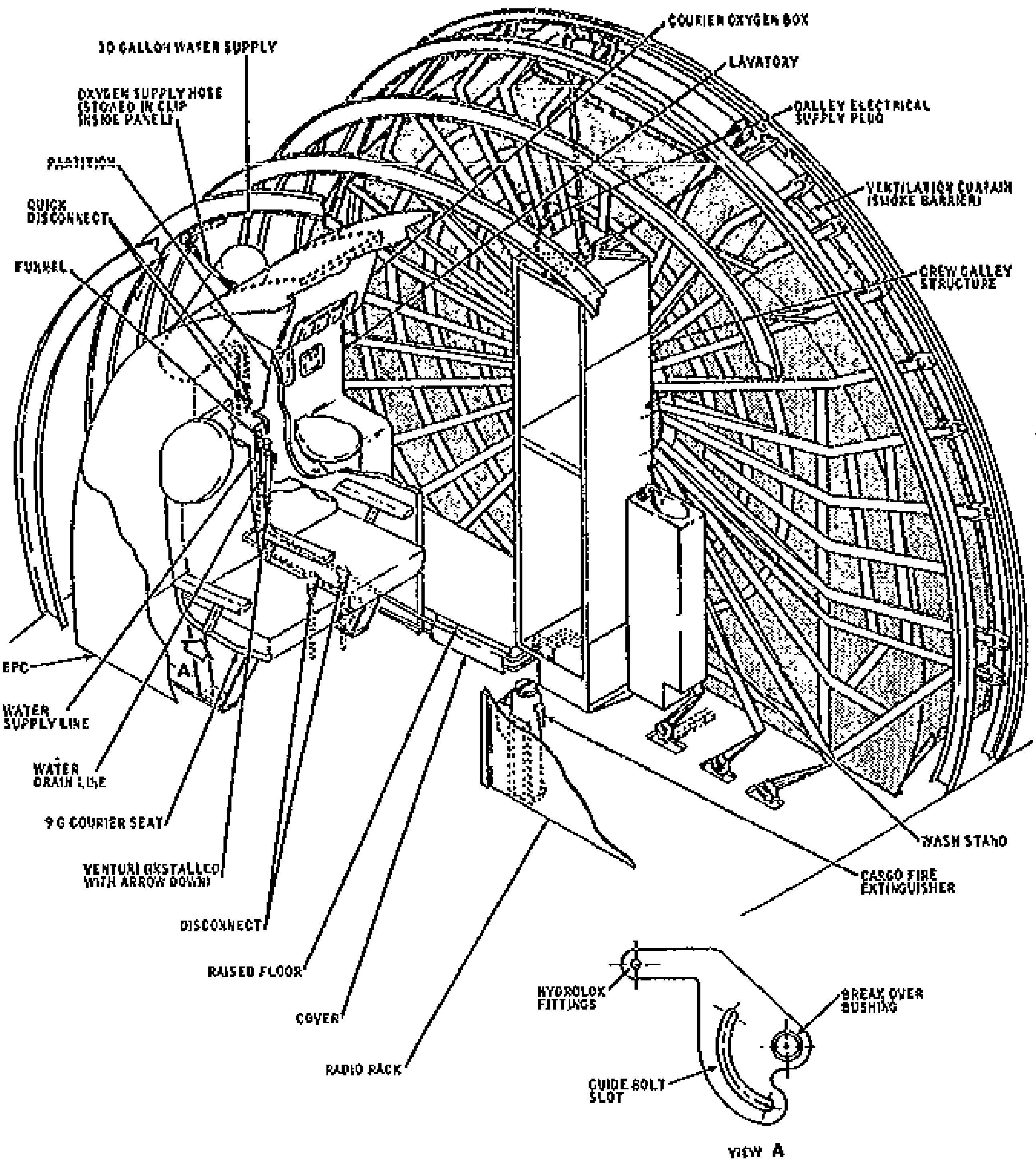
3. Repair

   A. In the event that the breakover mechanism fails to operate within its prescribed limits, the following areas should be checked for excessive wear or malfunction.

      (1) Check breakover bushing for wear.

      (2) Check for loose or bent guide bolt

      (3) Check for bent or loose hydrolok fitting.



HA2-7139

Flight Compartment Courier Seat
Figure 201

SYSTEMS ENGINEER'S SEAT - MAINTENANCE PRACTICES

1. General

   A. Seat tracks, rollers, and pins are to be cleaned and lubricated prior to installing seat assembly in seat tracks.

2. Tools and Equipment Required

   NOTE: Equivalent substitutes may be used instead of the following listed items.

Item	Name	Number	Manufacturer	Use
A	General purpose oil	MIL-L-7870	Commercially available	Lubricating seat mechanism
B	Solid film lubricant	Lubribond A	Electrofilm, Inc., North Hollywood, Calif.	Lubricating seat tracks
C	Cleaning solvent	PD-680	Commercially available	Cleaning areas to be lubricated

3. Removal/Installation Systems Engineer's Seat

   A. Remove Seats

      (1) Loosen screws that attach two front guide clips to forward holddown brackets.

      (2) Raise lateral control lever and hold in up position.

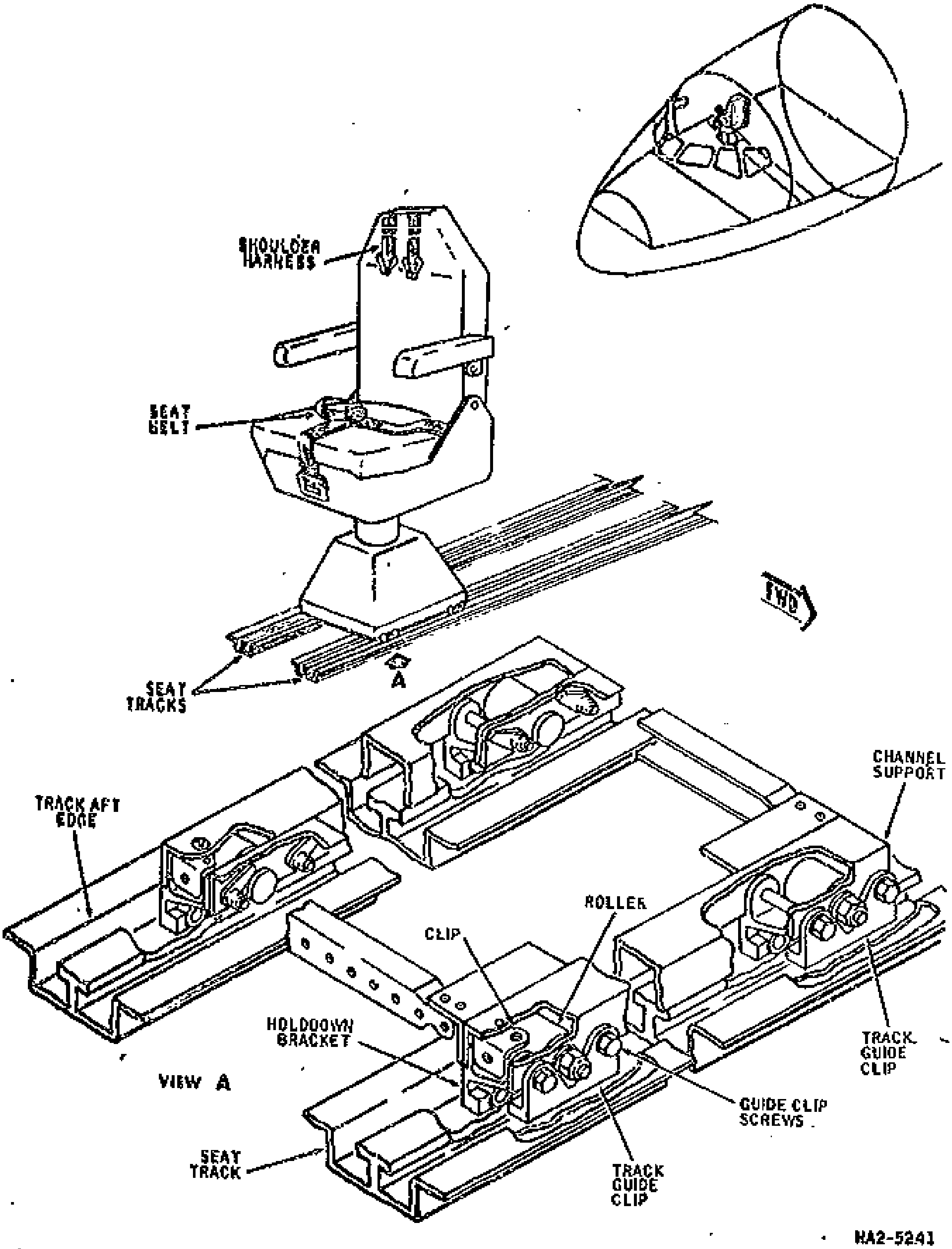
      (3) Push seat aft until holddown brackets touch aft edge of seat track.

      (4) Lift seat out of seat tracks and remove.

   B. Install Seats

      (1) Clean seat rollers and pins, oil lightly with general purpose oil (MIL-L-7870) and wipe off excess oil.

      (2) Clean seat tracks and lubricate lightly with solid film lubricant (Lubribond A).



Systems Engineer's Seat -- Removal/Installation
Figure 201

(3) Place rear holddown brackets in aft groove of aft seat track.

(4) Lower forward holddown brackets into aft groove of forward seat track ensuring guide clips slip into forward groove of forward seat track.

(5) Tighten guide clip screws.

4. Lubrication - Systems Engineer Seat (See Chapter 12.)

ASHTRAYS - MAINTENANCE PRACTICES

1. Removal/Installation - Ashtray

   A. Remove Ashtray

      (1) Tilt ashtray to open position.

      (2) Lift ashtray to disengage botton hinge and remove.

   B. Install Ashtray

      NOTE: Before installing ashtray, check condition of spring and ensure housing screws have not backed out.

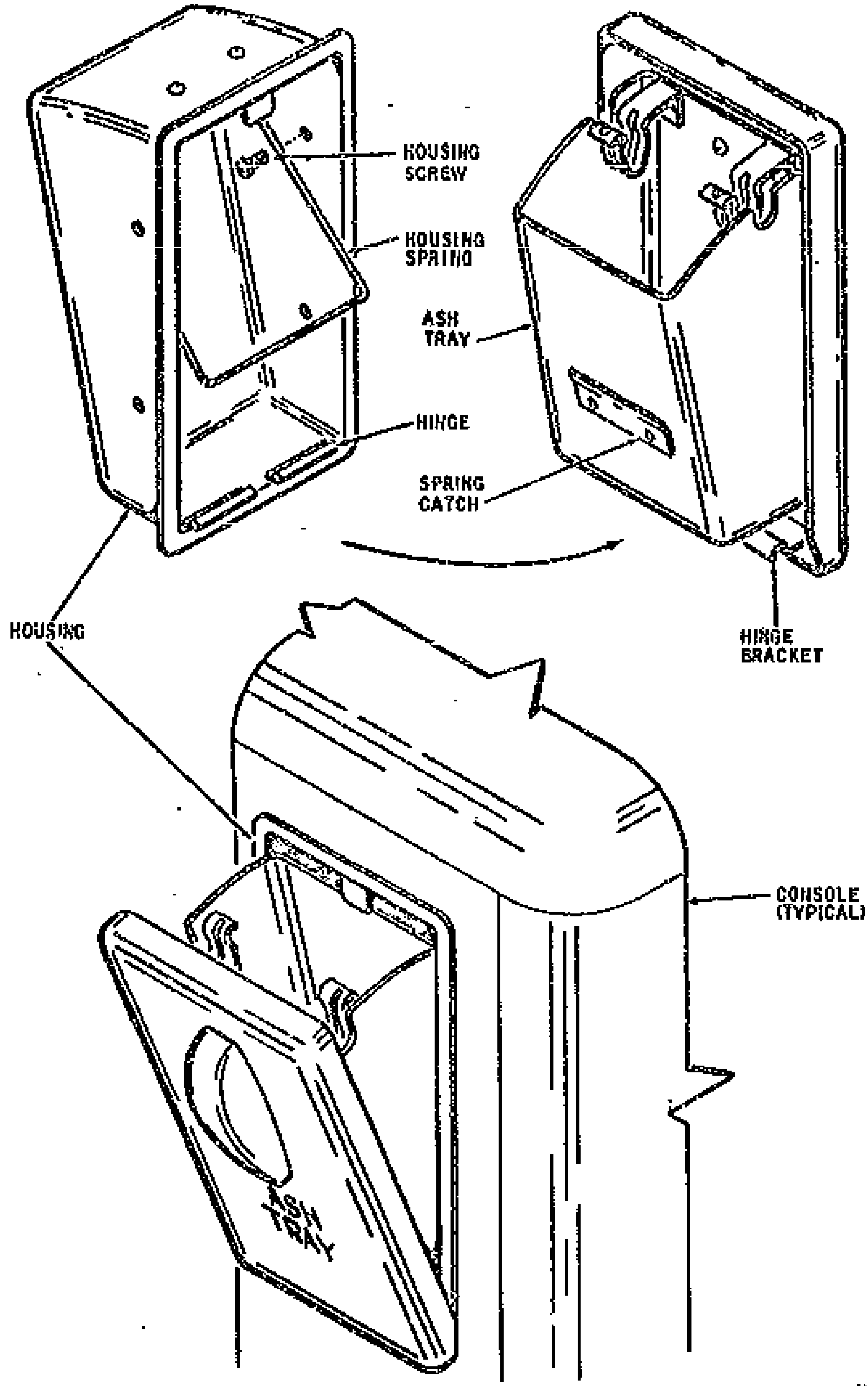
      (1) Engage housing spring under ashtray spring catch (see Figure 201).

         CAUTION: IF THIS STEP IS NOT PERFORMED CORRECTLY, THE ASHTRAY WILL BE LOOSE AND WILL EVENTUALLY FALL TO THE FLOOR.

      (2) Lift ashtray slightly with spring engaged bottom hinge brackets.

      (3) Push ashtray until completely inserted in housing.

         NOTE: If the ashtray is installed correctly it should be snug in its housing. A loose or wobbly ashtray denotes that the spring is not engaged.



Ashtray -- Removal/Installation
Figure 201

LUMBAR PILLOW - MAINTENANCE PRACTICES

1. General

A. The lumbar pillow is located on the captain and first officer seats, between the seat back cover and seat back. The lumbar pillow is inflated by a squeeze bulb and valve assembly located on the lower outboard side of the seat.

B. Removal and installation procedures are identical for all lumbar pillows.

2. Removal/Installation - Lumbar Pillows

A. Remove Lumbar Pillow

(1) Remove seat back covering.

(2) Detach lumbar pillow from seat back.

(3) Unscrew squeeze bulb from valve body.

(4) Loosen bracket mounting screws.

(5) Remove wood spacer.

(6) Slide valve body toward seat into slot in bracket.

(7) Pull valve forward and turn 90 degrees clockwise.

(8) Slide valve aft and clear of bracket.

(9) Remove valve from hose.

NOTE: Before pillow is removed note hose routing under seat to facilitate installation.

(10) Remove pillow.

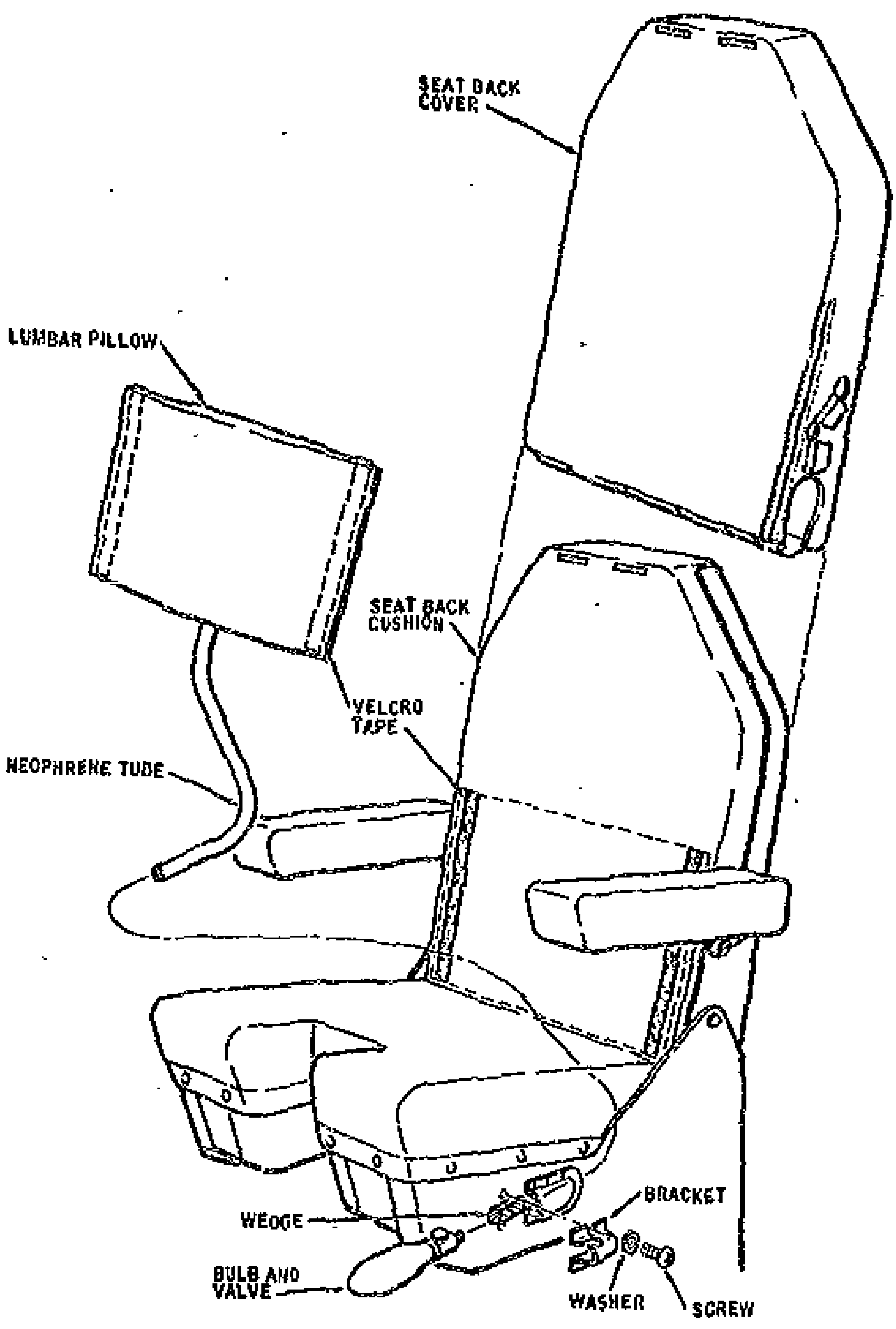
B. Install Lumbar Pillow

(1) Position lumbar pillow on seat back.

(2) Route inflation hose under seat through hose guard on lower outboard side of seat.

(3) Install valve to hose end.

(4) Insert valve into bracket.



Lumbar Pillow -- Removal/Installation (Typical)
Figure 201

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(5) Rotate valve so valve stem slides into bracket slot.

(6) Slide valve toward outboard side of bracket.

(7) Insert wood spacer.

(8) Tighten bracket mount screws.

(9) Install squeeze bulb to end of valve.

(10) Attach lumbar pillow to seat back cushion.

(11) Install seat back covering.

PILOTS' CHART HOLDER - DESCRIPTION AND OPERATION

1. Description

   A. In the DC-8-50 a folding chart holder is located under the captain's flight compartment clearview window. A spring clip in the lining recess holds the chart holder when not in use. The holder is preloaded by two friction blocks to prevent interference with nosewheel steering, and provides adjustment of position for optimum lighting.

   B. In the DC-8F-50 the captain's chart holder is attached to the flight control wheel. It is located where it will not interfere with flight control wheel movement or pilot's vision. A spring clip on the front of the holder retains the charts when in use. The holder is attached to the wheel with a clip and is easily removable.

PILOTS' CHART HOLDER - MAINTENANCE PRACTICES

1. Adjustment/Test - Chart Holder

   A. Adjust Chart Holder

      (1) With the holder folded, adjust the upper clamp block until a force of 2 (±1/2) pounds, applied to the extreme end of the holder, is required to rotate the holder.

      (2) With the holder unfolded, adjust the lower block until a force of 2 (±1/2) pounds, applied to the extreme end of the holder, is required to rotate the lower half of the holder with the upper half fixed.

      (3) Adjust the position of the spring clip so that a force of 3 (±1/2) pounds, applied at the extreme end of the folded holder, is required to move the holder inboard, out of engagement with the spring clip.

      NOTE: If the above forces cannot be reached, replace the clamp blocks.

PASSENGER COMPARTMENT - DESCRIPTION AND OPERATION

1. Description

A. The passenger compartment is the cabin area between the flight compartment and the aft pressure bulkhead. The passenger compartment is designed to accommodate both first-class and tourist-class passengers.

B. Passenger and crew accommodations include passenger seats, stowage racks, coatrooms, galleys, lavatories, tables, utility trays, ashtrays, safety belts, window shades, stowage compartments, cabin attendants' seats, cabin attendants' operating stations, baby crib holders and stowage provisions, and cabin attendants' flashlight holders.

C. Passenger utilities are installed in the stowage rack for each passenger seat and include cold air outlets, reading lights, oxygen outlets and mask stowage, and a passenger attendant call switch with integral light.

D. For soundproofing and insulation purposes, the passenger compartment is lined with fiberglas blankets. The interior of the compartment is covered with panels that are removable to facilitate inspection and repairs. Compartment panels, adjacent to passenger seats, are ducted to provide radiant heating for passenger comfort and a continuous flow of air to the cabin area.

PASSENGER COMPARTMENT - DESCRIPTION AND OPERATION

1. General

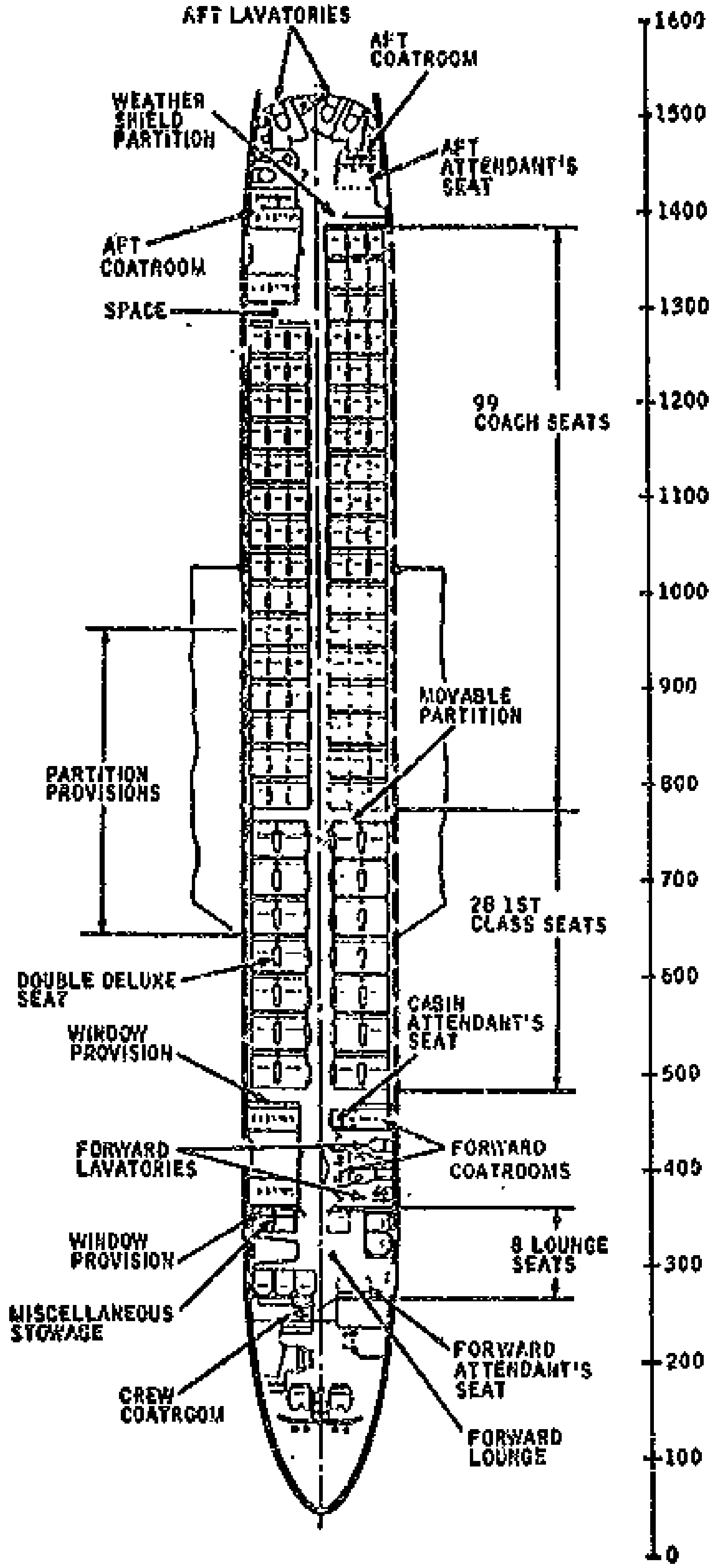
A. The passenger compartment is the cabin area between the flight compartment and the aft pressure bulkhead. The compartment is designed to accommodate first-class passengers, tourist-class passengers, cargo, or any combination of passengers and cargo. Provisions in the fuselage permit the attachment of class divider and passenger/cargo divider partitions.

B. The class divider partition consists of three sections in the DC-8/8F-50: a header, a left and a right panel. A door is attached to the right panel. The passenger/cargo divider partition consists of an upper and lower horizontal beam, left, right, and center panels, and a sliding door in the left panel.

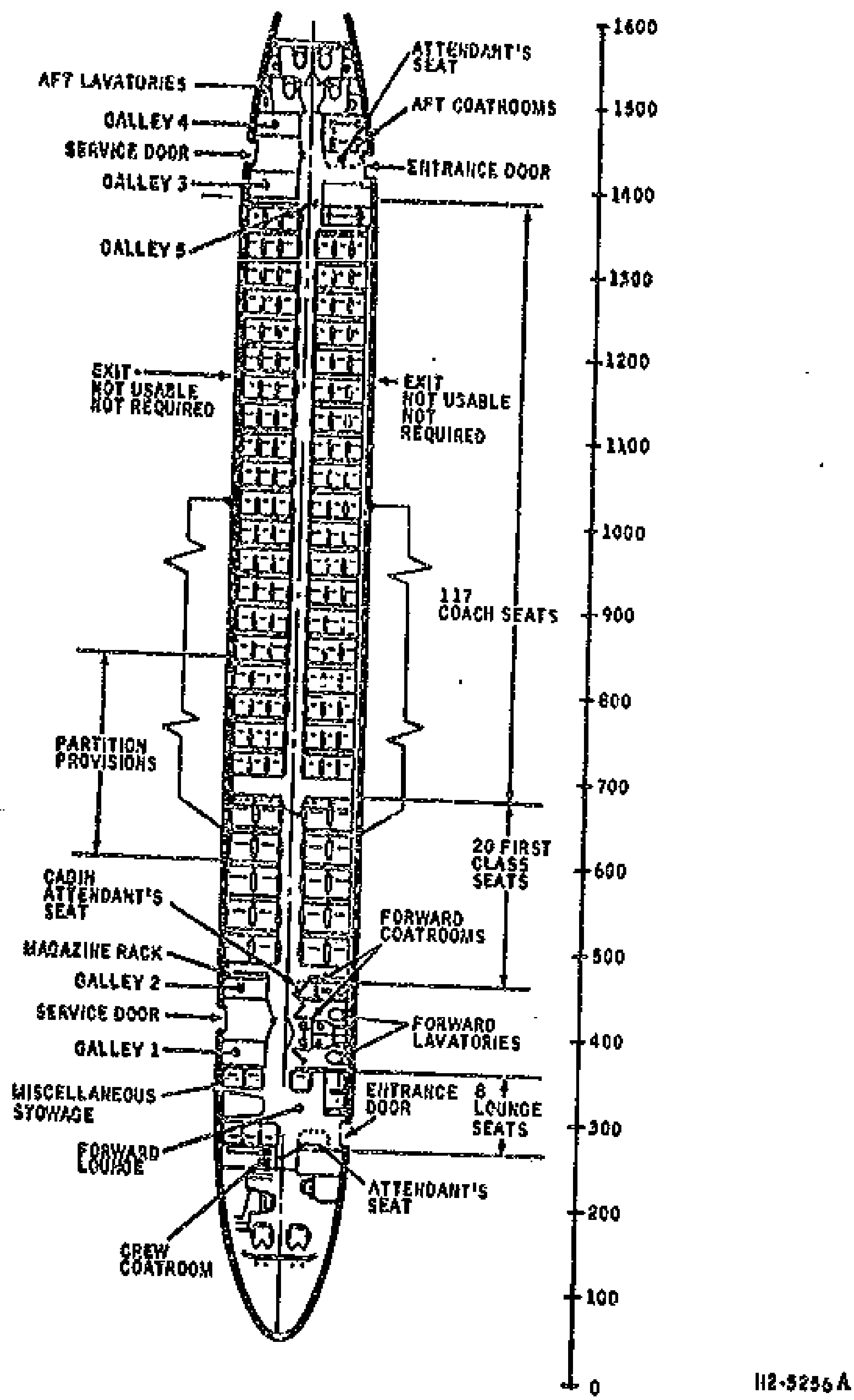
C. Passenger and crew accommodations include passenger seats, stowage racks, coatrooms, galleys, lavatories, tables, utility trays, ashtrays, safety belts, window shades and curtains, stowage compartments, cabin attendant seats, cabin attendants operating stations, baby crib holders, movable partitions, cabin attendants flashlight holders, and a forward lounge area. Passenger utilities are installed in the overhead stowage racks and include cold air outlet, reading lights, oxygen outlets, mask stowage, and an attendants call switch with integral light on the DC-8-60. On the DC-8/8F-50 the passenger utilities are installed in the backs of the passenger seats and include cold air outlet, attendants call switch, utility tray light, and utility tray. The reading lights are mounted on the sidewall.

D. In the passenger/cargo configuration the forward lavatory and galley areas, lounge, and passenger seats are removed and replaced with a crew galley and lavatory and a cargo restraint barrier. The passenger/cargo divider partition is placed between the passengers and the cargo.

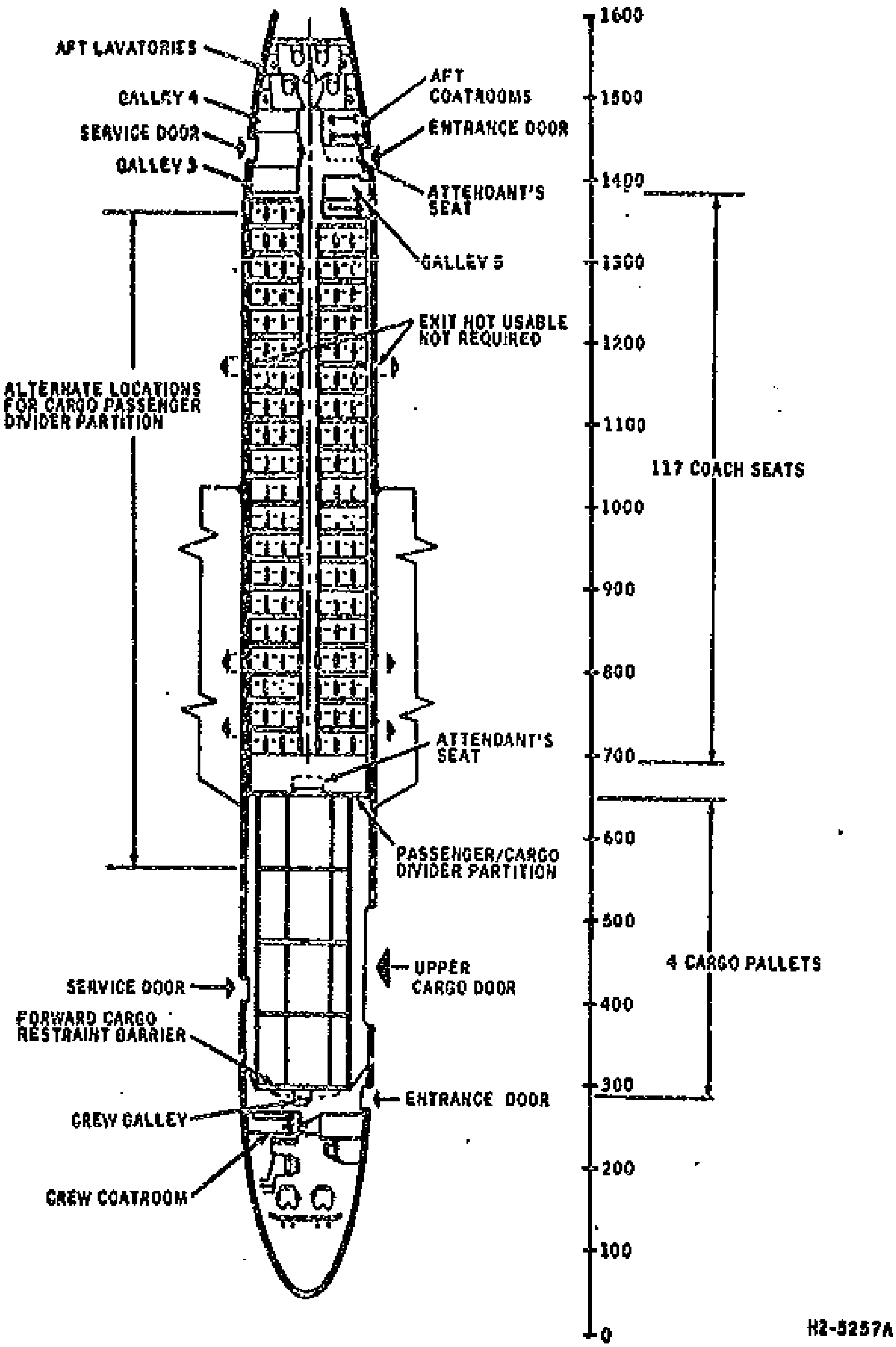
E. For soundproofing and insulation purposes, the passenger compartment is lined with fiberglas blankets. The interior of the compartment is covered with sidewall panels that are removable to facilitate inspection and repairs. Compartment panels, adjacent to passenger seats, are ducted to provide radiant heating for passenger comfort and a continuous flow of air to the cabin area.



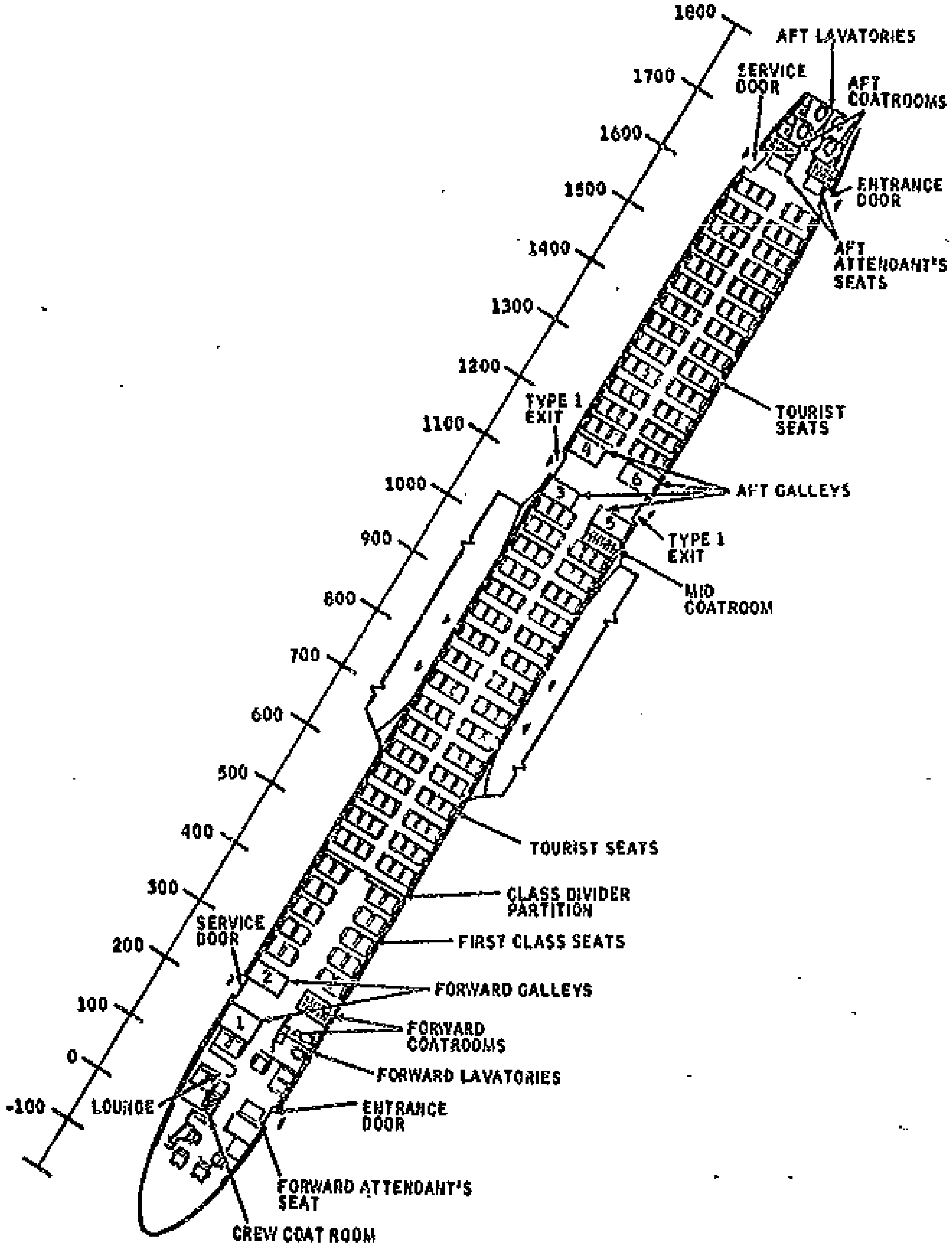
Interior Plan (Typical) (DC-8-50)
Figure 1



Passenger Interior Plan (Typical) (DC-9F-50)
Figure 2



Combination Cargo Passenger
Interior Plan (Typical) (DC-8F-50)
Figure 3



Interior Arrangement (DC-8-60)
Figure 1

PASSENGER COMPARTMENT - DESCRIPTION AND OPERATION

1. Description

A. The passenger compartment is the cabin area between the flight compartment and the aft pressure bulkhead. The passenger compartment is designed to accommodate both first-class and tourist-class passengers or all-tourist-class passengers.

B. Passenger and crew accommodations include passenger seats, stowage racks, coatrooms, galleys, lavatories, tables, utility trays, ashtrays, safety belts, window shades, stowage compartments, cabin attendants' seats, cabin attendants' operating stations, baby crib holders and stowage provisions, cabin attendants' flashlight holders, and a class divider partition. The passenger seats, coatrooms, galleys, lavatories, stowage compartments, and class divider partition are removable to accommodate various passenger seating arrangements.

C. Passenger utilities are installed in the stowage rack for each passenger seat and include cold air outlets, reading lights, oxygen outlets and mask stowage, and a passenger attendant call switch with integral light.

D. For soundproofing and insulation purposes, the passenger compartment is lined with fiberglas blankets. The interior of the compartment is covered with panels that are removable to facilitate inspection and repairs. Compartment panels, adjacent to passenger seats, are ducted to provide radiant heating for passenger comfort and a continuous flow of air to the cabin area.

PASSENGER COMPARTMENT - DESCRIPTION AND OPERATION

1. General

A. The passenger compartment is the cabin area between the flight compartment and the aft pressure bulkhead. The compartment is designed to accommodate first-class passengers, tourist-class passengers, cargo, or any combination of passengers and cargo. Provisions in the fuselage permit the attachment of a passenger/cargo divider partition.

B. Passenger and crew accommodations include passenger seats, overhead stowage racks, coatrooms, galleys, lavatories, tables, utility trays, ash trays, safety belts, window shades, stowage compartments, cabin attendant seats, cabin attendants' operating stations with flashlight holders, baby crib holders, and movable partitions. Passenger utilities are installed in the overhead stowage racks and include cold air outlets, reading lights, oxygen outlets, oxygen mask stowage, and an attendants call switch with an integral light.

C. In the passenger/cargo configuration the forward lavatory and galley areas, lounge, passenger seats, and some emergency equipment are removed and replaced with a crew galley, unitized lavatory, and a cargo restraint barrier. The passenger/cargo divider partition is placed between the passengers and the cargo.

D. For soundproofing and insulation purposes, the passenger compartment is lined with fiberglas blankets. The interior of the compartment is covered with sidewall panels that are removable to facilitate inspection and repairs. Sidewall panels, adjacent to passenger seats, are ducted to provide radiant heating for passenger comfort and a continuous flow of air to the cabin area.

PASSENGER COMPARTMENT - DESCRIPTION AND OPERATION

1. General

   A. The passenger compartment is the cabin area between the flight compartment and the aft pressure bulkhead. The compartment is designed to accommodate first-class passengers, tourist-class passengers, cargo, or any combination of passengers and cargo. Provisions in the fuselage permit the attachment of class divider and passenger/cargo divider partitions.

   B. Passenger and crew accommodations include passenger seats, overhead stowage racks, coatrooms, galleys, lavatories, tables, utility trays, ash trays, safety belts, window shades, stowage compartments, cabin attendent seats, cabin attendants' operating stations with flashlight holders, baby crib holders, and movable partitions. Passenger utilities are installed in the overhead stowage racks and include cold air outlets, reading lights, oxygen outlets, oxygen mask stowage, and an attendants call switch with an integral light.

   C. In the passenger/cargo configuration the forward lavatory and galley areas, lounge, passenger seats, and some emergency equipment are removed and replaced with a crew galley, unitized lavatory, and a cargo restraint barrier. The passenger/cargo divider partition is placed between the passengers and the cargo.

   D. For soundproofing and insulation purposes, the passenger compartment is lined with fiberglas blankets. The interior of the compartment is covered with sidewall panels that are removable to facilitate inspection and repairs. Sidewall panels, adjacent to passenger seats, are ducted to provide radiant heating for passenger comfort and a continuous flow of air to the cabin area.

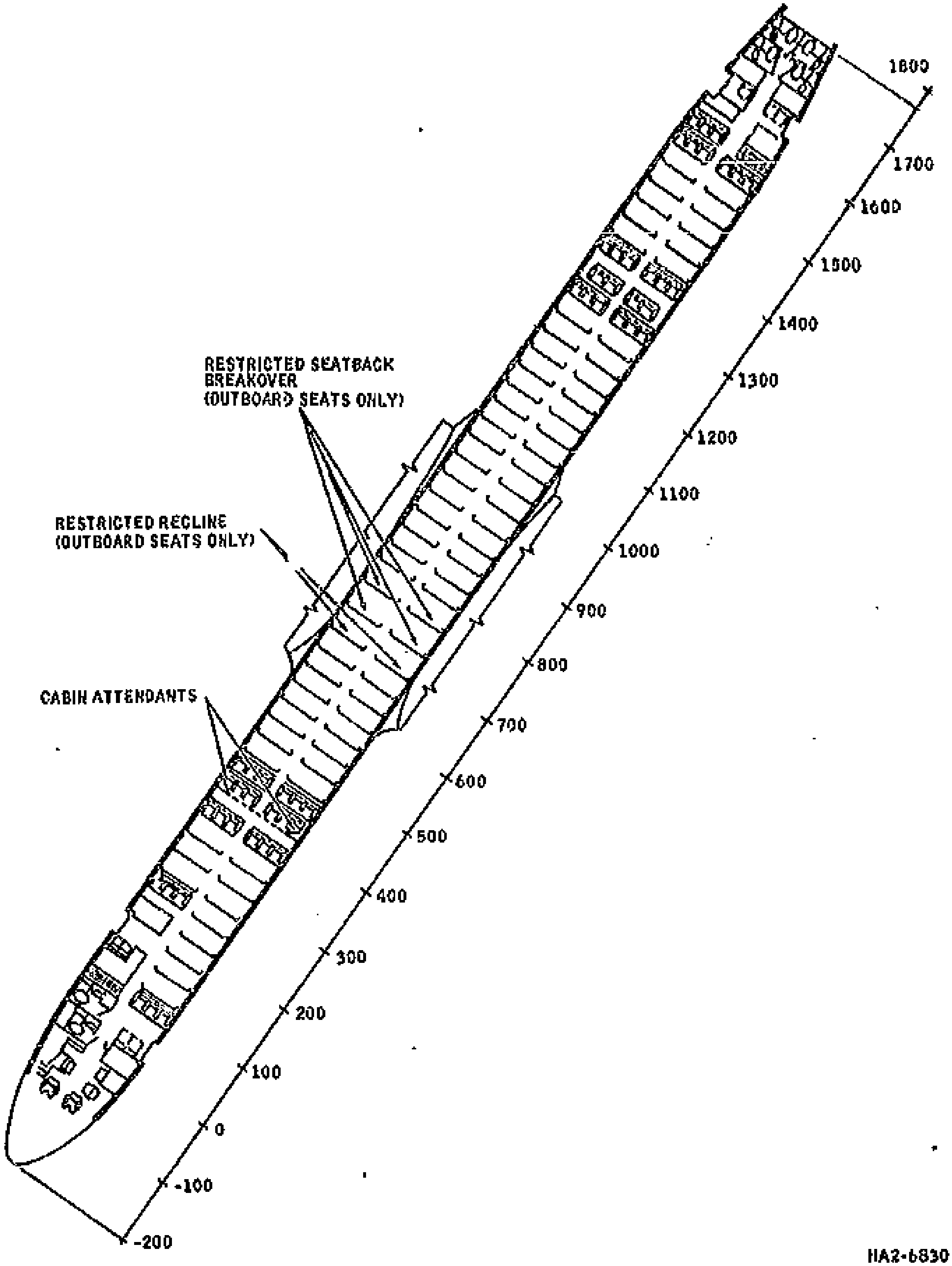
PASSENGER COMPARTMENT - DESCRIPTION AND OPERATION

1. General

A. The passenger compartment is the cabin area between the flight compartment and the aft pressure bulkhead. The compartment is designed to accommodate passengers, cargo, or combination of both.

B. Passenger and crew accommodations include passenger seats, overhead storage racks, utility trays, ashtrays, safety belts, window shades, cabin attendant seats, cabin operating stations. Passenger utilities provisions are installed in the overhead storage racks and include cold air outlets, reading lights, oxygen outlets, oxygen mask stowage, and an attendants call switch with an integral light.

C. For soundproofing and insulation purposes, the passenger compartment is lined with fiberglass blankets. The interior of the compartment is covered with sidewall panels that are removable to facilitate inspection and repairs. Sidewall panels, adjacent to passenger seats, are ducted to provide radiant heating for passenger comfort and a continuous flow of air to the cabin area.



Interior Arrangement
Figure 1

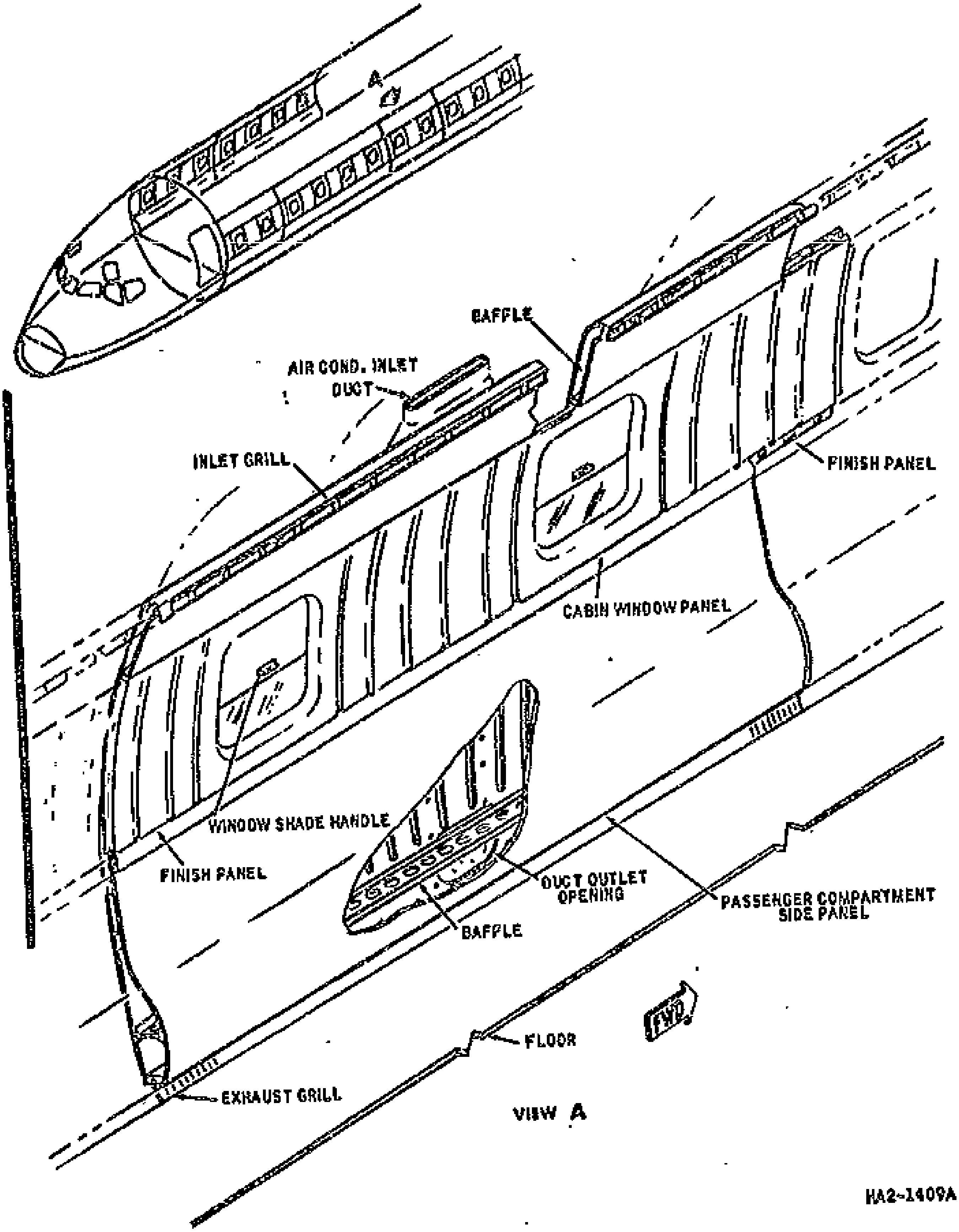
PASSENGER COMPARTMENT SIDE PANELS - DESCRIPTION AND OPERATION

1. Description

A. The passenger compartment side panels consist of heated cabin side panels, window shade panels, and trim panels. The panels form the interior lining and finish of the passenger compartment sidewalls. A window shade is incorporated in each window shade panel.

B. The heated cabin side panels in the passenger compartment consist of hollow ducted panels that form the cabin interior sidewalls. The panels extend from the floor to just below the baggage rack. Heated air is ducted from the main overhead air delivery duct into the lower outboard side of the panel, through a plenum manifold, to the top of the panel, and out through a grill on the inboard facing top edge of the panel. Each panel is composed of two thin sheets of poplar plywood, separated by basswood supporting strips. A plenum ducting system is built into the panels to distribute air evenly over the panel surface while flowing to the top of the panel. The panels are mounted on shock mounts attached to the fuselage, to reduce noise and vibration in the passenger compartment.

C. The window shade assembly is attached to the outboard side of each window trim panel and is integral with the panel when assembled. The shade moves vertically and is attached to a roller above the window frame. A stiffener, on the bottom edge of the shade, engages the tracks on the window frame on each side by means of spring-loaded shoes. The shoes hold the shade in the desired position by exerting spring pressure against the shoe tracks.



Passenger Compartment Side Panels
Figure 1

PASSENGER COMPARTMENT SIDE PANELS -

DESCRIPTION AND OPERATION

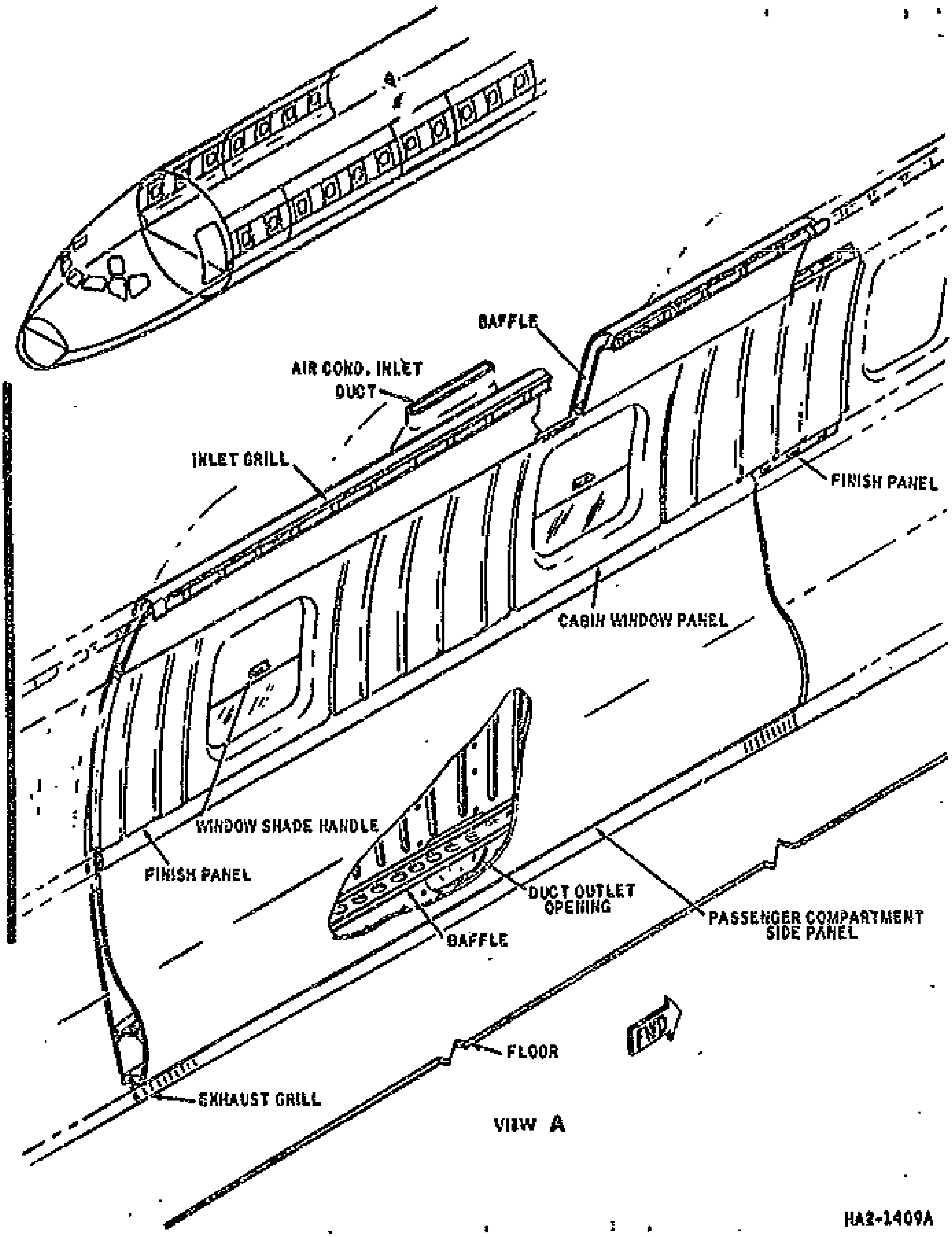
1. Description

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C. The window shade assembly is attached to the outboard side of each window trim panel and is integral with the panel when assembled. The shade moves vertically and is attached to a roller above the window frame. A stiffener, on the bottom edge of the shade, engages the tracks on the window frame on each side by means of spring-loaded shoes. The shoes hold the shade in the desired position by exerting spring pressure against the shoe tracks.

D. One additional manifold in the DC-8/8F-50, which is utilized as an armrest for the outboard row of seats, is installed on the inboard skin. This manifold carries the cold air supply to the individual seat outlets, the oxygen supply lines, and some electrical conduit.



Passenger Compartment Side Panels
Figure 1

CABIN SIDE PANELS - DESCRIPTION AND OPERATION

1. Description

   A. The main cabin side panels are of full fiberglass construction and are unheated. Panels cover the full side wall, and the only windows are in the Over Wing Exits, and the Entrance and Service doors. No window shades are provided in the all freighter configuration.

   B. The side panels are dished in areas to accommodate the cargo loading system, but snap-on covers for the dished areas are not provided for the all freighter configuration. All panels are removable for maintenance, modification, and inspection purposes.

HEATED CABIN SIDE PANELS - MAINTENANCE PRACTICES

1. General

   A. Removal/installation procedures are identical for all heated cabin side panels.

2. Removal/Installation Heated Cabin Side Panels (See Figure 201).

   A. Remove Side Panels

      (1) Remove seats adjacent to panels being removed.

      (2) Remove snap-on trim strip from retainer just below window level.

      (3) Remove panel attachment screws from trim strip retainer and remove retainer.

      (4) Remove trim panels, and window shade assembly.

      (5) Remove joint trim strip from between panels.

      (6) Remove light lens at top of panel.

      (7) Remove exhaust grill.

      (8) Remove remaining attaching screws.

      (9) Loosen clamp connecting air condition inlet duct with the overhead delivery duct.

      (10) Remove panel by pulling bottom side inboard and down until panel drops below alignment fittings and air condition inlet duct disengages.

   B. Install Side Panels

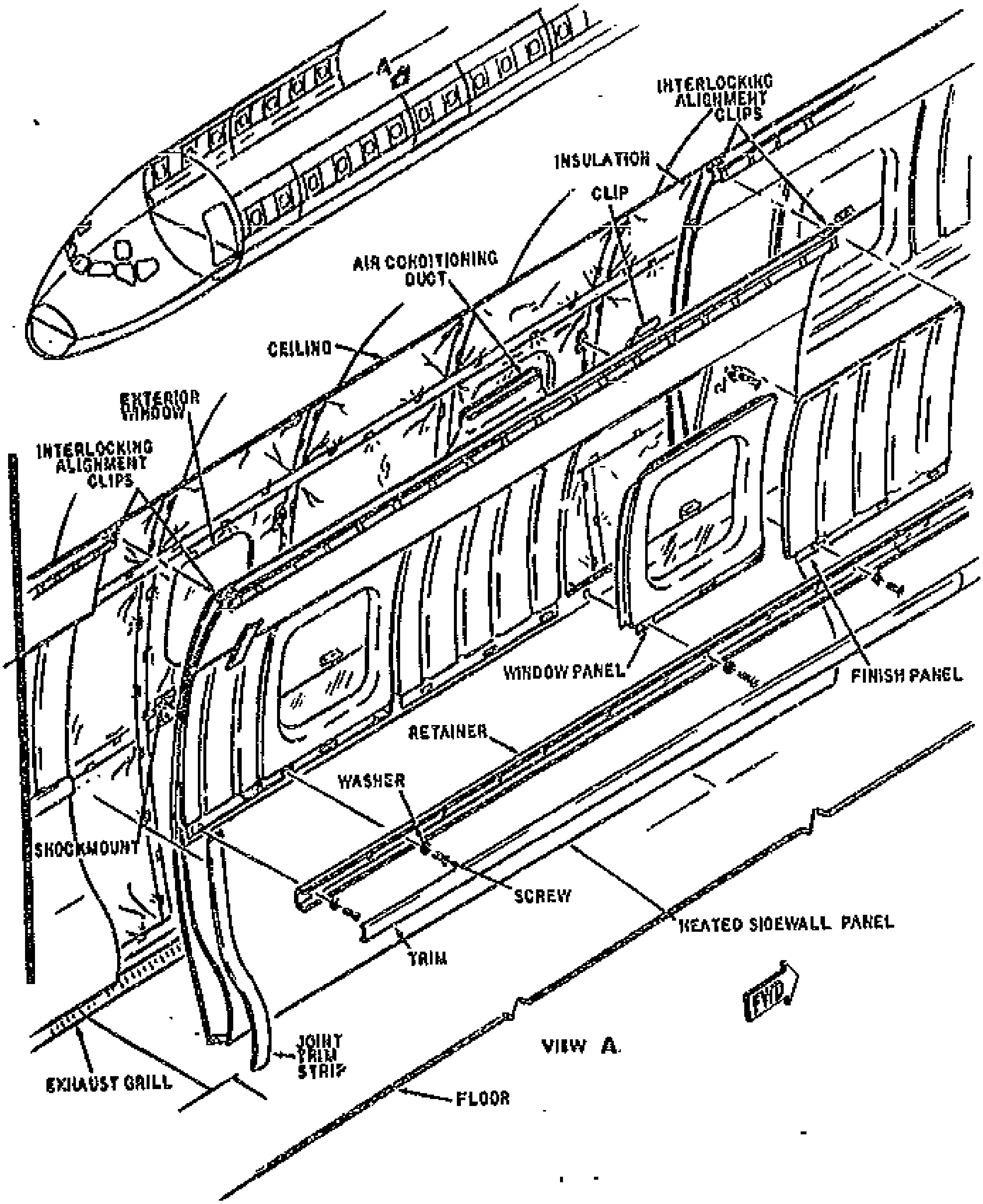
      (1) Place top of panel between installed panels and below alignment fittings at top of adjacent panels.

      (2) Slide panel up and into alignment fittings of adjacent panels.

      (3) Hold panel in position so panel clip at top is pressed against fuselage clip and bottom outboard edge is resting against baffle.

      (4) Install panel attaching screws and connect the air condition inlet duct to the overhead delivery duct.

      (5) Insert joint trim strip between panels and press in place.



Heated Cabin Side Panels -- Removal/Installation
Figure 201

(6) Install window shade, frame assembly, and trim panels and hold in place.

(7) Install trim strip retainer.

(8) Install light lens at top of panel.

(9) Install snap-on trim strip on trim strip retainer.

(10) Position exhaust grill in lower retaining groove and snap in place.

HEATED CABIN SIDE PANELS - MAINTENANCE PRACTICES

1. General

A. The removal and installation procedures for the heated cabin side panels are identical, except as noted. The removal of the side panels requires the removal of passenger seats and partitions, as necessary.

CAUTION: THREE MEN SHOULD BE AVAILABLE TO HANDLE THE PANEL. THE PANEL MUST BE CARRIED AND STORED, MAINTAINING INSTALLED ATTITUDE. THE OUTBOARD END OF THE PANEL MUST BE ADEQUATELY SUPPORTED AS IT LEAVES THE AIRPLANE DOOR.

2. Removal/Installation Heated Cabin Side Panels

A. Remove Side Panels (DC-8-50)

(1) Open seat lighting circuit breakers on forward and aft cabin electrical panels.

WARNING: TAG AND SAFETY CIRCUIT BREAKERS.

(2) Remove cabin air exhaust grill at bottom of panel by pulling lower edge of grill inboard until grill snaps loose.

(3) Unsnap lower edge of fairing between lower curtain track and utility duct, and remove fairing.

(4) Remove utility duct joint cover.

(5) Disconnect and cap electrical wire and oxygen connections leading into ducting.

CAUTION: SEE CHAPTER 35 FOR OXYGEN LINE DISCONNECT PROCEDURES. AFTER DISCONNECTING OXYGEN LINES, MAKE CERTAIN THAT ALL OPEN LINES ARE CAPPED.

NOTE: On the panels located at the emergency exit windows, the oxygen disconnect is accessible through access doors No. 666D and 666E (see Chapter 6).

(6) Remove upper curtain track splice.

(7) Remove panel retaining screws at upper corners of window cutout and two screws below each cutout.

(8) Disconnect and cap flexible hose connection of conditioned air ducting on outboard side of panel. Access is gained through access door in back panel of stowage rack.

NOTE: On the right side of the lounge compartment, the conditioned air connection is near the aft edge of the panel, halfway up the outboard side. Remove the panel attaching screws at the top panel, and pull the bottom of the panel inboard to gain access to the connection through the window opening.

(9) Disconnect and cap flexible air hose connection of cold air ducting on outboard face of panel. Forward of station 730, access is gained through a hinged door at lower edge of panel. Aft of station 730, access is gained through an access door in back panel of stowage rack.

(10) Remove seat sidewall track (see 25-21-4).

(11) Remove panel by pulling lower side inboard and down until panel disengages from inlet duct and fittings.

B. Install Side Panels (DC-8-50)

(1) Make certain circuit breakers called out in paragraph A, step (1), are open.

(2) Insert upper edge of panel behind stowage rack. Push bottom of panel outboard, position panel on bosses of seat sidewall track fittings, and engage window frames.

NOTE: For access to panel conditioned air duct connections see paragraph A, steps (8) and (9), depending on location of the panels.

(3) Install seat sidewall track (see 25-21-4).

(4) Attach panel with screws at upper corners of window cutouts and two screws below cutouts.

(5) Connect cold and conditioned air ducting.

(6) Install upper curtain track splice.

(7) Remove caps and connect electrical and oxygen line connections at utility duct.

(8) Install utility duct cover.

(9) Snap fairing in place between lower curtain track and utility duct.

(10) Install cabin air exhaust grille at bottom of panel by inserting upper lip into bottom of side panel and then rotate lower edge outboard until grille snaps in place.

(11) Close circuit breakers.

C. Remove Side Panels (DC-8F-50)

(1) Open seat lighting circuit breakers on forward and aft cabin electrical panels.

WARNING: TAG AND SAFETY CIRCUIT BREAKERS.

(2) Remove seat number clip at each end of conditioned air inlet grille by snapping clip out of place.

(3) Pull out vertical trim strips at forward and aft edges of panel.

(4) Remove utility duct joint cover.

(5) Disconnect and cap electrical wire and oxygen connections leading into ducting.

CAUTION: SEE CHAPTER 35 FOR OXYGEN LINE DISCONNECT PROCEDURES. AFTER DISCONNECTING OXYGEN LINES, MAKE CERTAIN THAT ALL OPEN LINES ARE CAPPED.

NOTE: On the panels located at the four forward emergency exit windows, the oxygen disconnect is accessible through access doors No. 666D and 666E (see Chapter 6).

(6) Remove upper curtain track splice.

(7) Remove screws from panel at upper corners of window cutout and two screws below each cutout.

(8) Disconnect and cap conditioned air ducting flexible hose connection on outboard side of panel.

NOTE: On right side of lounge compartment, conditioned air connection is near aft edge of panel, halfway up outboard side. Remove screws at top of panel, and pull bottom of panel inboard to gain access to connection through window opening.

(9) Disconnect and cap flexible air hose connection of cold air ducting on outboard face of panel. Forward of station 730, access is gained through a hinged door at lower edge of panel. Aft of station 730, access is gained by removal of upper side panel.

(10) If required, remove upper side panel as follows:

(a) Unhook stowage rack support rods from fuselage fittings and lower rack (see 25-25-0).

(b) Remove escutcheons from panel cutouts for support rod fuselage fittings.

(c) Remove screws in filler strips at forward and aft edges of trough light lenses, and open hinged lenses.

(d) Remove plastic filler strips at panel upper, forward, and aft edges. At aft edge of panel only, snap out moulding strip.

(e) Remove panel attach screws.

NOTE: The forward edge attach screws in each panel are hidden by the overlapping aft edge of the next forward panel. To gain access to these screws it is necessary to remove the escutcheons and some of the upper edge attach screws of the next forward panel.

(f) Lift panel lower edge out of slot in rub rail, and slide panel aft to clear aft edge of next forward panel.

(g) Remove panel.

(11) Remove seat sidewall track (see 25-21-4).

(12) Hook stowage rack support rods to fuselage fittings.

(13) Remove panel by swinging bottom of panel inboard and dropping panel down.

D. Install Side Panels (DC-8F-50)

(1) Make certain circuit breakers called out in paragraph C, step (1), are open.

(2) Insert upper edge of panel behind stowage rack. Push bottom of panel outboard, position panel on bosses of seat sidewall track fittings, and engage window frames into retainers.

(3) Connect cold and conditioned air ducting.

NOTE: For access to panel conditioned air duct connections, see paragraph C, steps (8), (9), and (10), depending on location of panels.

(4) If required, install upper side panel as follows:

(a) Unhook stowage rack support rods from fuselage fittings and lower rack.

(b) Place panel in position with lower edge in rub rail slot.

(c) Install panel attach screws.

(d) Install attach screws in next forward panel.

(e) Install all plastic filler strips. At aft end of aft panel only, snap moulding strip in place.

(f) Install all escutcheons.

(g) Close trough light lenses and install screws in filler strips at forward and aft edges.

(5) Hook stowage rack support rods to fuselage fittings (see 25-25-0).

(6) Install seat sidewall track (see 25-21-4).

(7) Attach panel with screws at upper corners of window cutouts and two screws below cutouts.

(8) Install upper curtain track splice.

(9) Remove caps and connect electrical and oxygen line connections at utility duct.

(10) Install utility duct joint cover.

(11) Snap seat number clips in place between conditioned air inlet grille sections.

(12) Insert vertical trim strips at forward and aft edges of panel.

(13) Close circuit breakers.

E. Remove Side Panels (DC-8-60)

(1) Remove seats adjacent to panels being removed.

(2) Remove snap-on trim strip from retainer just below window level.

(3) Remove panel attachment screws from trim strip retainer and remove retainer.

(4) Remove trim panels, and window shade assembly.

(5) Remove joint trim strip from between panels.

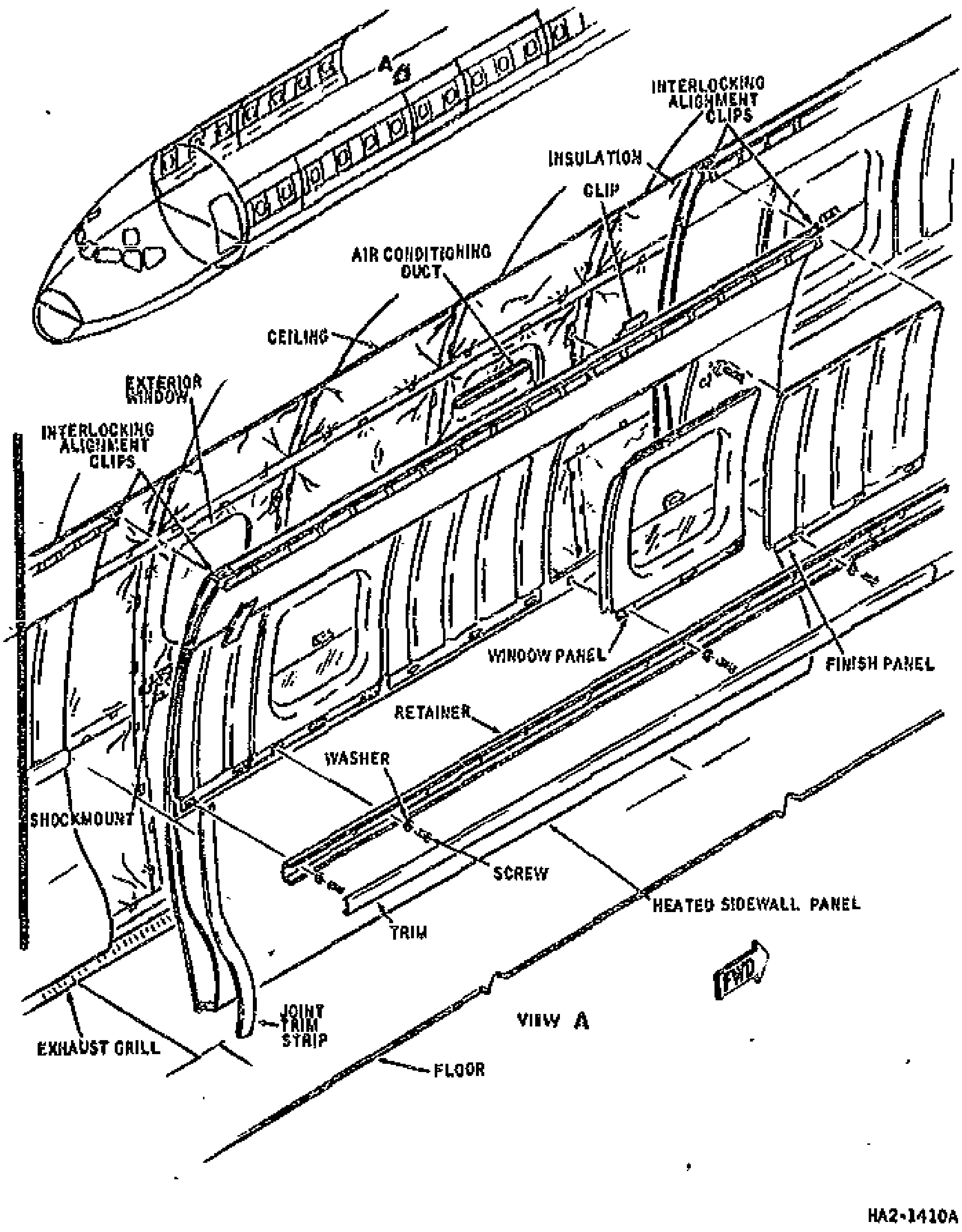
(6) Remove light lens at top of panel.

(7) Remove exhaust grille.

(8) Remove remaining attaching screws.

(9) Loosen clamp connecting air condition inlet duct with the overhead delivery duct.

(10) Remove panel by pulling bottom side inboard and down until panel drops below alignment fittings and air condition inlet duct disengages.



Heated Cabin Side Panels -- Removal/Installation
Figure 201

F. Install Side Panels (DC-8-60)

(1) Place top of panel between installed panels and below alignment fittings at top of adjacent panels.

(2) Slide panel up and into alignment fittings of adjacent panels.

(3) Hold panel in position so panel clip at top is pressed against fuselage clip and bottom outboard edge is resting against baffle.

(4) Install panel attaching screws and connect the air condition inlet duct to the overhead delivery duct.

(5) Insert joint trim strip between panels and press in place.

(6) Install window shade, frame assembly, and trim panels and hold in place.

(7) Install trim strip retainer.

(8) Install light lens at top of panel.

(9) Install snap-on trim strip on trim strip retainer.

(10) Position exhaust grille in lower retaining groove and snap in place

G. Minor Repair

(1) Repair minor damage to side panels, no larger than approximately 2 square inches in area, as follows:

(a) Obtain a piece of Permacel P-112 aluminum foil pressure-sensitive tape larger in size than damaged area.

(b) Clean area to be repaired with a detergent to permit adhesion of tape to damaged area.

(c) Apply tape over damaged area.

(d) Paint or finish as necessary.

WINDOW SHADES - MAINTENANCE PRACTICES

1. General

A. Window trim panels are considered an integral part of the interior lining of the passenger compartment. Removal/Installation procedures for window shades presented here are keyed to Figure 201, after window trim panel has been removed.

B. Improper assembly and adjustment of roller mechanism often creates binding and hang-up which results in torn or wrinkled shades.

2. Removal/Installation Window Shades

A. Remove Window Shade

(1) Move shade to full up position.

(2) Remove shade handle by inserting screwdriver blade into groove and depressing spring tab; slide handle from shade.

(3) While holding roller, depress slotted roller pin until clear of mounting bracket.

(4) Depress shade stiffener to allow handle clip to clear window frame; remove roller and shade assembly by pulling straight up from panel until shoes on stiffener are clear of slide tracks.

CAUTION: SHOES AND SPRINGS WILL SPRING FROM SHADE STIFFENER WHEN CLEAR OF SLIDE TRACKS. DO NOT LOSE PARTS.

B. Install Window Shade

(1) Check that slide tracks are clean, and that shoes slide in tracks smoothly (do not lubricate).

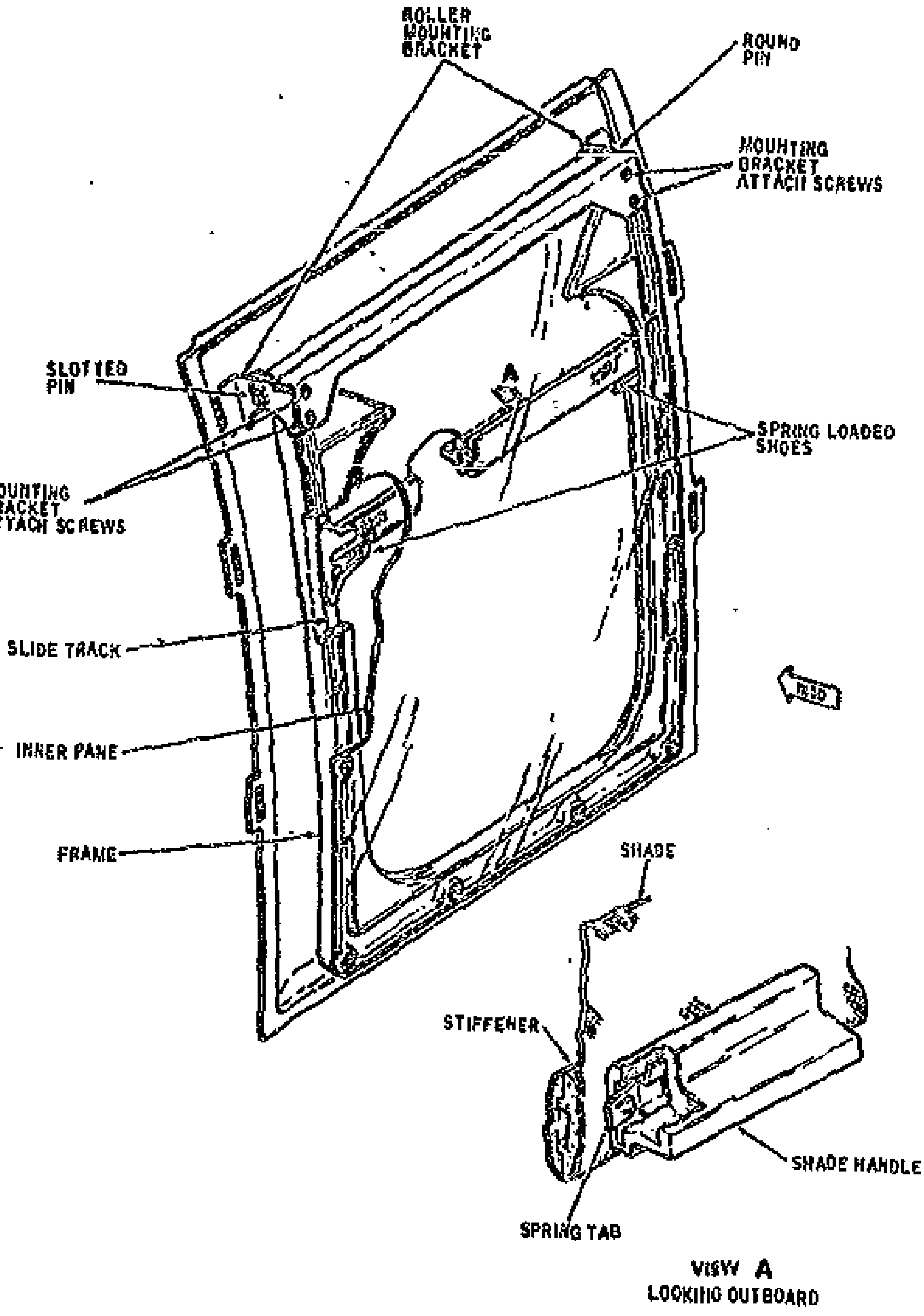
(2) Roll shade on roller evenly.

(3) Install spring and shoe on each end of shade stiffener.

NOTE: Check that correct type shoe springs, of .045 wire gauge, are installed.

(4) Hold springs and shoes in place and start shoes into slide tracks.

(5) Feed shade down into slide tracks until shade stiffener is below upper edge of trim panel opening.



Window Shade -- Removal/Installation
Figure 201

(6) Ensure that shade is rolled on roller evenly, and insert round pin on roller into mounting bracket.

(7) Depress slotted pin on roller and align pin with hole in opposite mounting bracket.

(8) Release slotted pin and allow pin to set in mounting bracket.

(9) Install shade handle. Check that spring lock is approximately 1/16 inch recessed into shade handle.

NOTE: The handle is intended to be unlocked by use of a thin-bladed object.

(10) Tighten shade on roller with shade in up position and preload shade roller spring by pushing and turning slotted pin counterclockwise with small screwdriver.

NOTE: Pin must be depressed enough to clear edges of rectangular hole in mounting bracket. Screwdriver blade must be small enough to clear edges of square hole.

(11) Remove screwdriver and allow slotted pin to seat in mounting bracket hole.

(12) Move shade through full range of travel several times and check for proper operation.

(13) Pull shade all the way down. Tap on trim panel with fingers to simulate vibration, and check that shade does not creep up. Check that shade fabric is kept taut.

(14) Adjust preload on shade roller spring, if necessary, until shade is held taut in any selected position, except shade may loosen during last one half turn of roller to its full-up position.

(15) Install window trim panel.

WINDOW CURTAINS - MAINTENANCE PRACTICES

1. General

A. Adjustable curtains are provided for windows in the cabin, lounge, and lavatory compartments. Curtain sliders are installed in track sections attached to the compartment lining. Tracks are equipped with slider stops for each window. The curtains are attached to the slider hook through a hole in the outer face of the curtain hem. The hook moves on the slider and is preloaded by a compression spring inside the slider housing. By pulling the curtain up or down the spring is compressed and the curtain can be removed.

2. Removal/Installation - Window Curtain

A. Remove Curtain

(1) Pull curtain up from bottom and remove slider hooks from curtain lower hem.

(2) Remove slider hooks from curtain upper hem.

B. Install Curtain

(1) Check that slide tracks are clean.

(2) Install top slider hooks in holes in upper hem of curtain.

(3) Pull down on curtain and install slider hooks in holes in lower hem of curtain.

SEAT SIDEWALL TRACKS - MAINTENANCE PRACTICES

1. General

A. Removal and installation procedures for all seat sidewall tracks are identical.

CAUTION: WHEN REMOVING OR INSTALLING THE SIDEWALL TRACKS, CARE MUST BE TAKEN TO PREVENT DAMAGE TO THE ATTACH BOLTS. THESE BOLTS HAVE A DECORATIVE FINISH AND ARE EASILY SCRATCHED.

2. Removal/Installation - Seat Sidewall Tracks

A. Remove Sidewall Tracks

(1) Remove seats from section of track to be removed (see 25-23-1).

(2) Remove track attach bolts.

(3) Remove screws holding splice insert in place, one at each end of track.

(4) Slide splice insert into track forward or aft of track being removed.

CAUTION: WHEN SLIDING INSERTS INTO THE FORWARD OR AFT TRACK, CARE MUST BE TAKEN NOT TO SLIDE INSERT OUT OF REACH INSIDE TRACK.

(5) Remove section of track.

B. Install Sidewall Track

(1) Position track and start two bolts to hold track in place.

(2) Slide splice inserts back in position.

(3) Install screws that hold splice inserts in place.

(4) Install track attach bolts.

(5) Install seats (see 25-23-1).

UNHEATED SIDE PANELS - MAINTENANCE PRACTICES

1. General

A. The removal and installation of all unheated side panels are similar except as noted. The removal of the panels require the removal of partitions, galleys, shelves, and lavatory washstands as necessary (see 25-24-0, 25-30-0, and 25-40-1 as applicable). Insulation blanket flaps must be unstapled during panel removal and restapled and sealed during panel installation (25-22-0) for panels in galley compartments and panel forward and aft of the aft entrance door.

CAUTION: TWO MEN SHOULD BE AVAILABLE TO HANDLE THE PANEL.

2. Removal/Installation - Side Panels (DC-8/8F-50)

A. Remove Panel (Left and Right Side, Stations 1490 to 1461)

(1) Remove applicable floor covering moulding, as follows:

(a) Peel back floor covering from moulding slot.

(b) Remove screws attaching moulding to floor.

(c) Remove moulding.

(2) Remove attach screws along panel edges.

NOTE: Access to some screws can be made through light fairing.

(3) Remove ceiling panels as necessary (see 25-28-0).

(4) Remove toilet-to-wall fairing as necessary.

(5) Remove panel.

B. Install Panel (Left and Right Side, Stations 1490 to 1461)

(1) Place panel in position.

(2) Install attach screws.

(3) Install toilet-to-wall fairing as necessary.

(4) Install ceiling panels as necessary.

(5) Install applicable floor covering, as follows:

(a) Apply sealant at joint of side panel and floor (see Chapter 20).

(b) Apply sealant on upper portion of moulding.

(c) Place moulding in position on floor.

(d) Install moulding attach screws.

(e) Apply sealant in lower recesses of moulding.

(f) Slip floor covering back into moulding recess.

C. Remove Panel (Left Side, Stations 1461 to 1430)

(1) Lift flap seal along forward edge of door jamb to expose side panel attach screws.

(2) Remove panel attach screws.

(3) Remove attach screws at upper forward corner of panel.

NOTE: Access to these screws can be made through over-door light housing.

(4) Remove panel and seals by sliding upper end of panel out from under light housing.

D. Install Panel (Left Side, Stations 1461 to 1430)

(1) Place panel and seals in position.

(2) Install panel attach screws.

E. Remove Panel (Right Side, Stations 1461 to 1420)

(1) Remove floor covering as necessary (see paragraph 2A(1)).

(2) Remove panel attach screws.

(3) Remove panel.

F. Install Panel (Right Side, Stations 1461 to 1420)

(1) Place panel in position.

(2) Install panel attach screws.

(3) Install floor covering as necessary (see paragraph 2B(5)).

G. Remove Panel (Aft Pressure Dome)

(1) Remove ceiling panels as necessary (see 25-28-0).

(2) Remove floor covering as necessary (see paragraph 2A(1)).

(3) Remove toilet flush button escutcheons, as follows:

(a) Remove screws retaining pushbutton.

(b) Remove attach screws retaining escutcheon.

(c) Remove escutcheon.

(4) Remove toilet-to-wall fairings.

(5) Remove panel.

H. Install Panel (Aft Pressure Dome)

(1) Place panels in position.

(2) Install toilet flush button escutcheon as follows:

(a) Place escutcheon in position.

(b) Install escutcheon attach screws.

(c) Install pushbutton.

(3) Install floor covering as necessary (see paragraph 2B(5)).

(4) Install ceiling panels as necessary (see 25-28-0).

(5) Install toilet-to-wall fairing.

I. Remove Panels (Right Side, Stations 1421 to 1368, 460 to 425, 1343 to 1330 and 400 to 387)

(1) Lift flap seal along door damb to expose panel attach screws.

(2) Remove panel attach screws.

NOTE: Access to some of the screws is through the over-door light housing.

(3) Peel back floor covering as necessary to free panel for removal.

(4) Remove trim pieces at forward and aft lower corners at junction of door and floor.

(5) Remove panel and seals by sliding upper end of panel out from under light housing.

J. Install Panels (Right Side, Stations 1421 to 1368, 460 to 425, 1343 to 1330 and 400 to 387)

(1) Place panel in position.

(2) Install panel attach screws.

(3) Install floor covering as necessary.

(4) Install corner trim pieces at door and floor junction.

K. Remove Panels (Right Side, Stations 1330 to 1300 and 387 to 360)

(1) Peel back floor covering as necessary.

(2) Remove panel attach screws.

(3) Remove panel.

L. Install Panels (Right Side, Stations 1330 to 1300 and 387 to 360)

(1) Place panel in position.

(2) Install panel attach screws.

(3) Install floor covering as necessary.

M. Remove Panels (Left Side, Stations 358 to 438)

(1) Remove floor covering as necessary (see paragraph 2A(1)).

(2) Remove snap-on wainscot trim moulding.

(3) Remove lower panel.

NOTE: The removal of upper and lower center panels requires the removal of lavatory washstand. All panels in this area except the lower center panel slip out of a slip spring connection. The lower center panel can be removed after removing the panel attach screws.

N. Install Panels (Left Side, Station 358 to 438)

(1) Place lower center panels in position.

(2) Install panel attach screws.

(3) Install upper panel by slipping lower panel edge into a spring slip connection.

(4) Install trim retainer.

(5) Install snap-on wainscot trim moulding.

(6) Install floor covering as necessary.

O. Remove panel (Forward Entrance Door, Upper Aft Corner)

(1) Pull back flap seal along door jamb to expose panel attach screws.

(2) Remove attach screws.

(3) Slip panel down and forward to slip away from adjacent panels.

(4) Remove panel.

P. Install Panel (Forward Entrance Door, Upper Aft Corner)

(1) Slip panel into position by engaging spring clips on back side with adjacent panels.

(2) Install attach screws.

Q. Remove Panel (Forward Entrance Door, Forward Panel)

(1) Remove trim strips at panel forward edges.

(2) Pull back seals along door jamb.

(3) Remove panel attach screws.

(4) Remove panel.

R. Install Panel (Forward Entrance Door, Forward Panel)

(1) Place panel in position.

(2) Install panel attach screws.

(3) Install trim strips.

S. Remove Panels (Flight Compartment)

NOTE: The removal and installation of all flight compartment panels are identical except as noted. The removal of these panels requires the removal of the glareshield, coffee cupholder, radar scopes, navigator's station, observer's station, system's engineer's station, escape line and ceiling light, as necessary.

(1) Remove attach screws.

(2) Remove panel.

T. Install Panels (Flight Compartment)

(1) Place panel in position.

(2) Seal and install panel attach screws.

U. Remove Panel (Right Side, Stations 265 to 281) (Cargo Passenger)

(1) Remove crew oxygen bottle (see 35-10-3).

(2) Remove panel attach screws.

(3) Unlock camloc fasteners.

(4) Lift lower edge clear of floor, and remove panel.

V. Install Panel (Right Side, Stations 265 to 281) (Cargo Passenger)

(1) Place panel in position.

(2) Lock camloc fasteners.

(3) Install attach screws.

(4) Install crew oxygen bottle (see 35-10-3).

W. Remove Panels (Right Side, Stations 366 to 460)

(1) Remove panel attach screws.

NOTE: Lift flap seal along door jamb for access to attach screws in panel adjacent to service door.

(2) Remove corner trim at junction of door and floor.

(3) Peel back galley floor covering and free lower edge of panel (see 25-27-1).

(4) Slip panel down to free upper edge spring clip from upper lining.

(5) Remove Panel.

X. Install Panels (Right Side, Stations 366 to 460)

(1) Slip panel into position engaging upper edge spring clip with upper lining.

(2) Install attach screws.

(3) Install corner trim at junction of door and floor.

(4) Replace galley floor covering and seal. (See 25-27-1.)

Y. Remove Panels (Right Side, Stations 1385 to 1566, and Left Side, Stations 1392 to 1566)

NOTE: Access to some panel attachments depends upon the adjacent components. The following procedures shall be used for applicable conditions A through D.

(1) Upper edge attachments forward of station 1422 right side, and station 1408, left side.

(a) Unlock camloc fasteners and remove small panel at outboard side of cabin drop ceiling.

(2) Upper edge attachments aft of station 1422 right side, and station 1408 left side:

(a) Remove adjacent cabin drop ceiling panel (see 25-28-0).

(3) Attachments at entrance and service doors:

(a) Lift flap seal along edge of door jamb.

(4) Aft edge attachments, station 1566, left and right sides:

(a) Remove aft pressure bulkhead panel (see paragraph AA).

(5) Remove panels, right side, stations 1385 to 1488, and left side, stations 1392 to 1488.

(a) Remove attach screws.

(b) For panels adjacent to entrance and service doors, remove corner trim at door to floor junction.

(c) In galley areas free lower edge of panel from sealant at galley floor covering.

(d) Remove panel. (The panels adjacent to the entrance door can be slid out from under light housing above door.)

(6) Remove panels, left and right side, stations 1488 to 1566.

(a) Remove lavatory cabinets and washstands as required (see 25-40-1).

(b) Remove panel attach screws.

(c) Free lower edge of panel where sealed at attachment to lavatory floor pan.

(d) Lift panel lower edge clear of pan, and remove panel.

2. Install Panels (Right Side, Stations 1385 to 1566, and Left Side, Stations 1392 to 1566)

   (1) Place panel in position.

   (2) Install attach screws.

   (3) For panels adjacent to entrance and service doors, install corner trim at door to floor junction.

   (4) Install aft pressure bulkhead panel if required (see paragraph AB).

   (5) In galley areas, lay a bead of sealant at junction of panel lower edge and galley floor covering (see Chapter 20).

   (6) In lavatory areas apply sealant at lap joint between panel lower edge and lavatory floor pan, and install cabinets and washstands as required.

   (7) Install cabin drop ceiling panels as required. (See 25-28-0.)

   (8) Install small panels at outboard side of cabin drop ceiling panels as required, and lock camloc fasteners.

AA. Remove Panel (Aft Pressure Bulkhead)

   (1) Remove cabin drop ceiling panels as required (see 25-28-0).

   (2) Remove toilet-to-wall fairings.

   (3) Remove panel attach screws.

   (4) Lift panel to clear lower edge from lavatory floor pan.

   (5) Pull outboard edge of panel forward, and slide panel outboard until spring clips behind inboard edge are clear of aft edge of lavatory lining.

   (6) Remove panel.

AB. Install Panel (Aft Pressure Bulkhead)

   (1) Place panel in position, engaging spring clips behind inboard edge with aft edge of lavatory lining.

   (2) Install attach screws.

   (3) Install toilet-to-wall fairing.

   (4) Install drop ceiling panels as required (see 25-28-0).

UNHEATED SIDE PANELS - MAINTENANCE PRACTICES

1. General

   A. The removal and installation of unheated side panels are similar in the all freighter airplanes. Panel size may vary in different areas of the main cabin to accommodate size and shape of an area.

   B. The crew lavatory, crew galley, cargo restraint net will have to be removed prior to removal of the forward cabin panels.

2. Removal/Installation - Side Panels (See Figure 201.)

   A. Remove Panels

      (1) Remove attach screws from retainer and panel upper edge, for upper sections, and/or lower edge of lower panels.

      NOTE: Retain fasteners in a cloth bag or suitable container secured to retainer until installation of panel.

      (2) Remove attach screws from forward and aft end of panel retainer, retain screws.

      (3) For upper panel sections, slide panel up out of channel hanger and remove panel.

      (4) For lower panel sections, slide panel down out of channel hanger and remove panel.

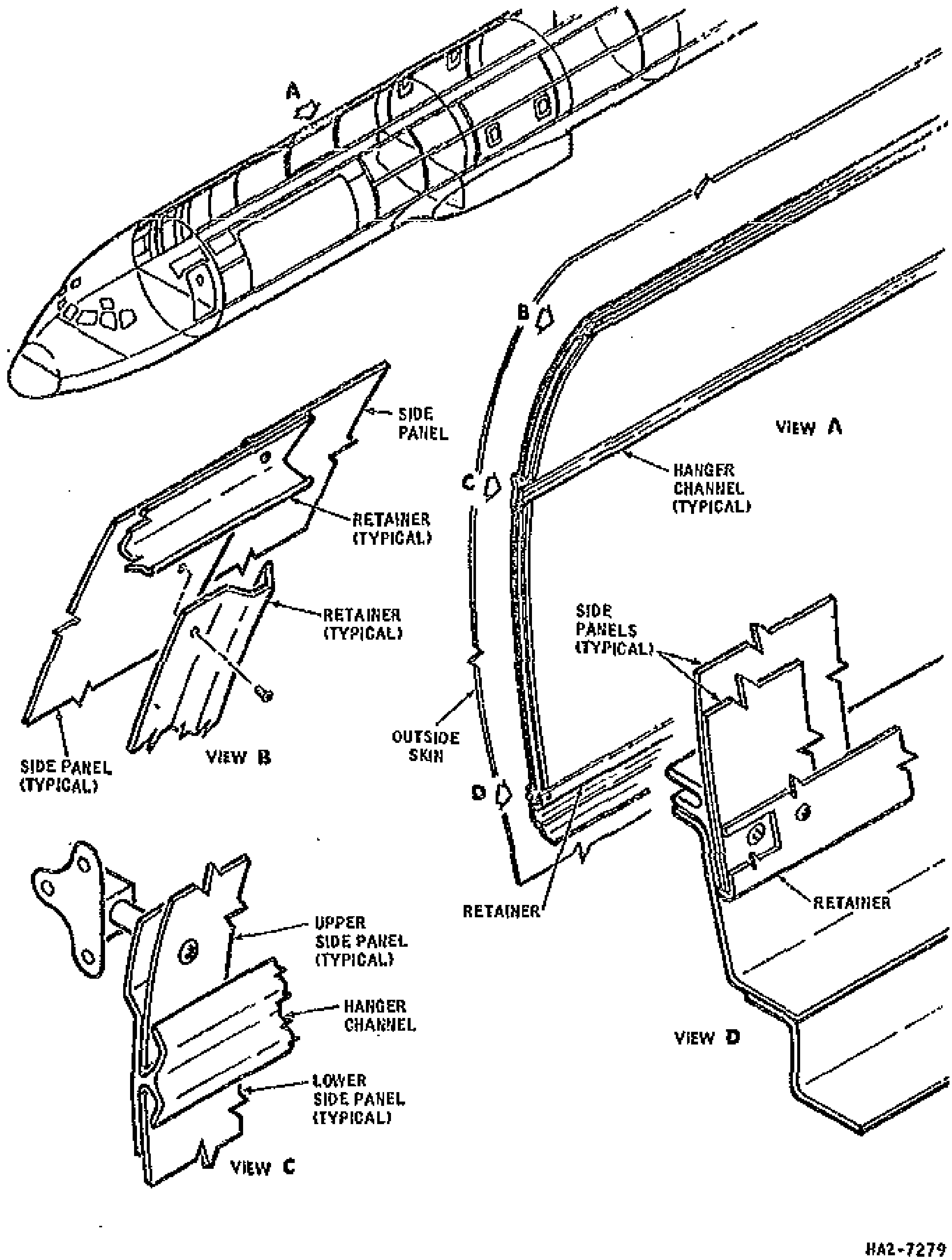
      NOTE: Stow panel on a suitable rack or area, as panel may scratch other panels or may get damaged by falling if leaned against other side panels in airplane.

   B. Install Panels

      (1) Place panel section into position and slide panel into channel hanger.

      (2) Install retainers and start screws loosely until all screws in panel have been started. This helps in alignment of panel and it is easier to get all screws started.

      (3) Tighten all screws in panel section.



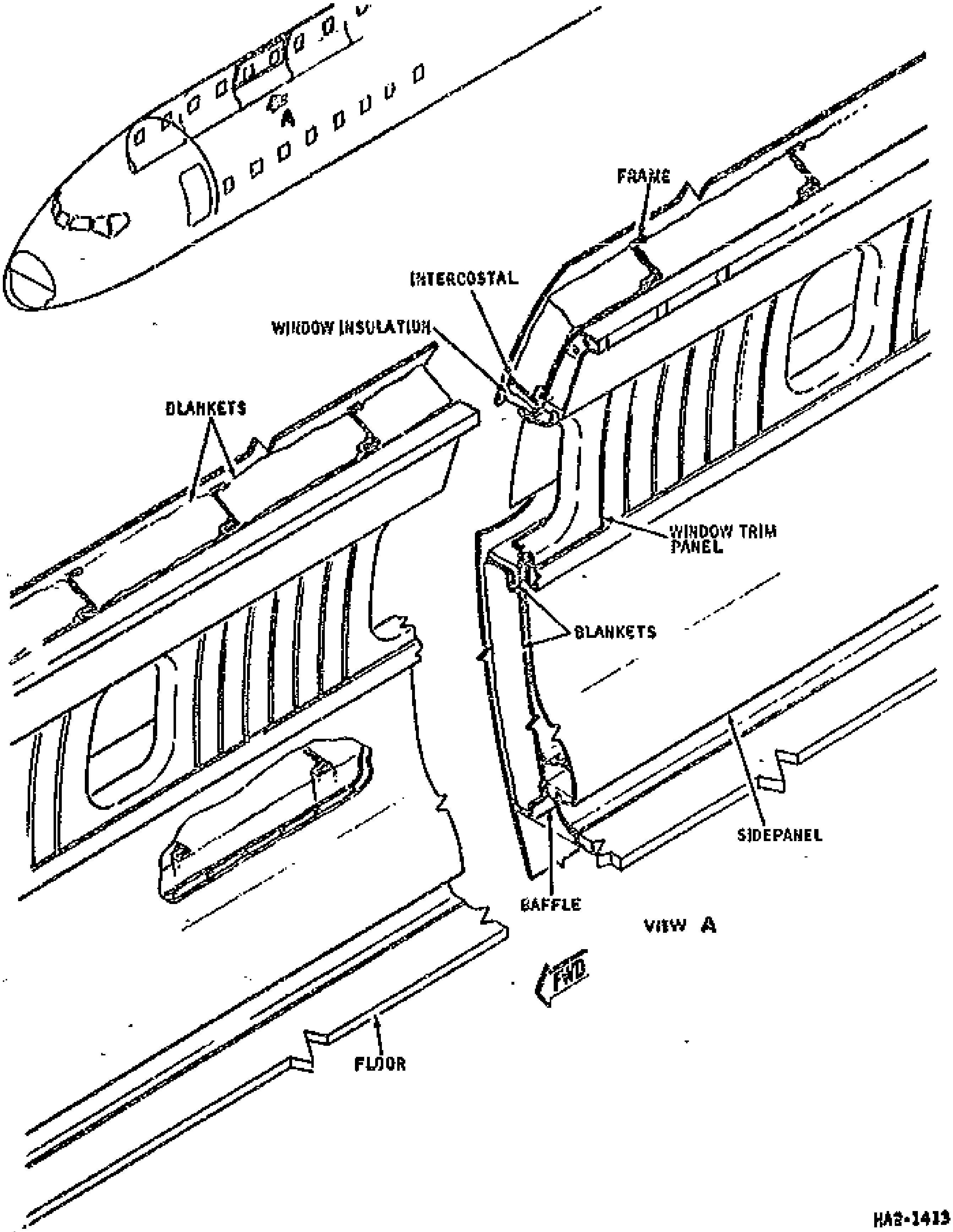
Unheated Side Panels
Figure 201

PASSENGER COMPARTMENT INSULATION -

DESCRIPTION AND OPERATION

1. Description

   A. For sealing, insulating, and soundproofing purposes, the interior of the passenger compartment is lined with blankets of low-density fiberglas batting. The batting is covered with a thin flexible material and is made in small blanket sections. The sections are located between the fuselage skin and interior lining of the compartment. Blankets are attached with spring clips areas where insulation is compressed. The entire blanket installation in the passenger compartment forms a vapor barrier seal on the inboard surface. Breather holes are provided in each blanket to allow for pressure changes between the fuselage and the sealed blankets.



Passenger Compartment Insulation
Figure 1

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PASSENGER COMPARTMENT INSULATION - MAINTENANCE PRACTICES

1. General

A. Removal/installation procedures in this section are typical and apply to all insulated areas in the passenger compartment. Observe installation prior to removal of any blanket to ensure blanket is installed properly.

2. Tools and Equipment Required

NOTE: Equivalent substitutes may be used instead of the following listed items.

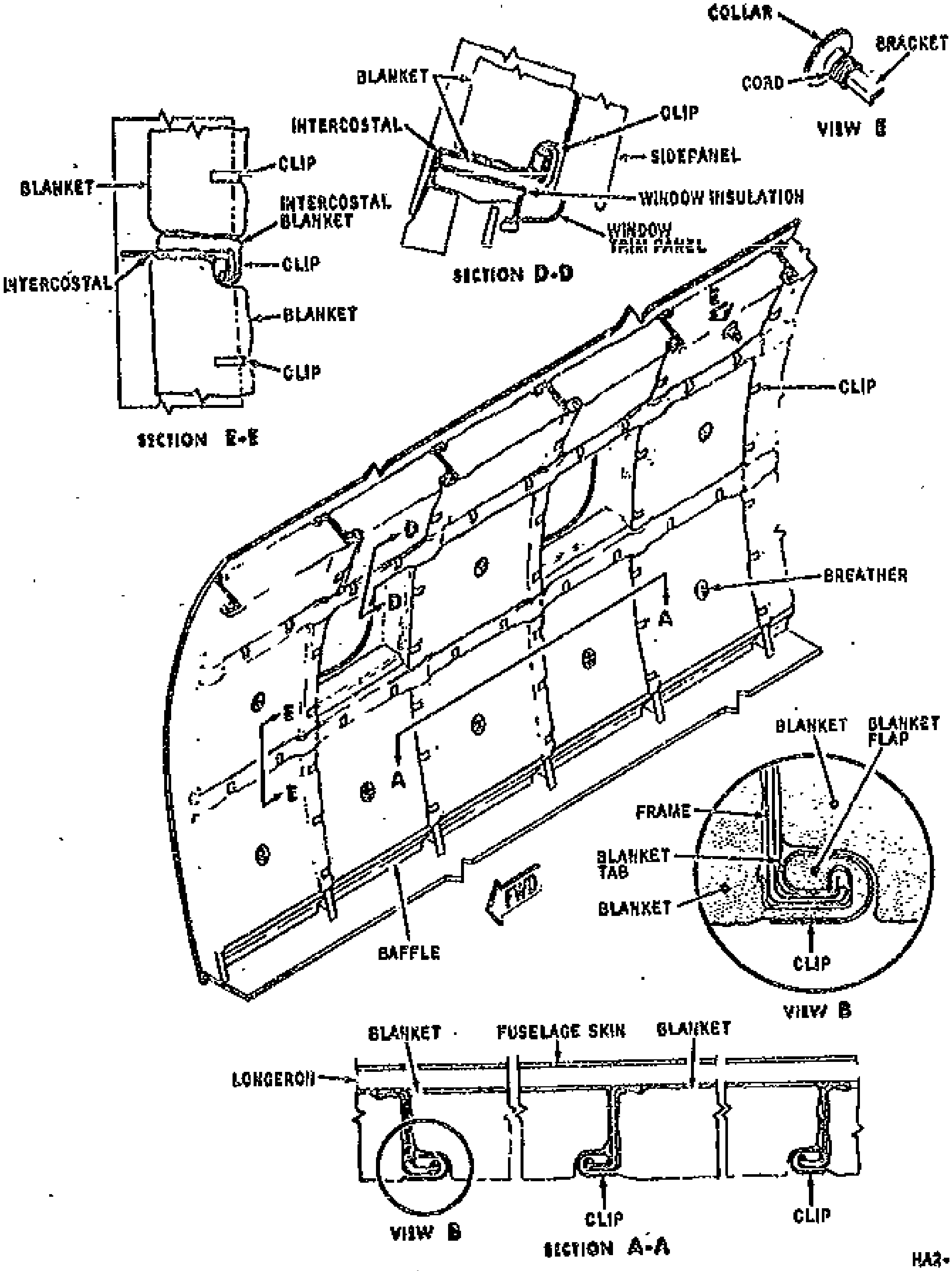
Item	Name	Number	Manufacturer	Use
A	Adhesive	H-145	Stabond Corp. Gardena, Calif.	Cementing vapor barriers and seals
B	Adhesive	EC-870	Minnesota Mining & Mfg. Co. Los Angeles, Calif.	Repairing damaged blankets
C	Denatured alcohol		Commercially available	Cleaning areas to be cemented
D	Permanent mastic tape	PRC-620	Product Research Co.	Seal edges of panels
E	Stripper	Douglas No. 14		Cleaning areas to be taped
F	Blanket material	S5704200	Douglas Aircraft Co., Inc.	Repair and patch blanket

3. Removal/Installation Insulation Blankets

A. Remove Insulation Blankets

(1) Gain access to insulation by removing paneling adjacent to insulation.

(2) Untie or cut cord securing blanket where objects such as brackets protrude through blanket.



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Passenger Compartment Insulation -- Removal/Installation
Figure 201

(3) Remove blanket retaining clips and break seals where blankets are cemented.

(4) Remove blanket.

D. Install Insulation Blankets

(1) Place blanket in position, install spring clips, then install blanket tabs under spring clips and blanket flaps in spring clips.

(2) Inspect installation for gaps between insulation and structural members, openings in vapor seal attachments, and possible sagging of blankets.

(3) Adjust blanket tabs and flaps to eliminate gaps.

(4) Secure and seal collars around brackets or other objects protruding through blanket. Tie with cord, or cement collar to braket. Use adhesive (H-145).

NOTE: Ensure faying surfaces of blanket and adjacent areas are clean. Clean faying surfaces with denatured alcohol.

(5) Patch all gaps or spaces existing after installation with pieces of blanket cloth using adhesive (H-145).

(6) Inspect blanket for slits, tears, and holes and patch with small pieces of blanket material (S5704200) using adhesive (EC-870).

(7) Clean faying areas, where permanent mastic tape (PRC-620) is to be applied, with stripper (Douglas No. 14) and clean, dry, cotton cloth. Wipe surface clean and dry with clean, dry, cotton cloth.

(8) Install permanent mastic tape (PRC-620) to surfaces where tape was removed. Ensure tape covers and seals entire area.

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PASSENGER COMPARTMENT INSULATION - MAINTENANCE PRACTICES

1. General

A. Removal/Installation procedures in this section are typical and apply to all insulated areas in the passenger compartment. Observe installation prior to removal of any blanket to ensure blanket is installed properly. These procedures assume the prior removal of the passenger seats and sidewall panels.

2. Tools and Equipment Required

NOTE: Equivalent substitutes may be used instead of the following listed items.

Item	Name	Number	Manufacturer	Use
A	Adhesive	105	Douglas Aircraft Co., Inc.	Cement blanket flaps to structure
B	Adhesive	804-1	Douglas Aircraft Co., Inc.	Repair vinyl coated blankets
C	Adhesive	EC-1711	Minnesota Mining & Manufacturing Co., Los Angeles, Calif.	Repair damaged blankets
D	Adhesive	C-269	Dow Corning Co.	Cementing blanket to blanket
E	Adhesive	H-145	Stabond Corp., Gardena, Calif.	Cementing vapor barriers and seals
F	Solox or denatured alcohol		Commercially available	Cleaning areas to be cemented
G	Staples	STH 2619	Bostitch-Western Inc., Los Angeles, Calif.	Staple blanket flaps after cementing
H	Permanent mastic tape	PRC-620	Product Research Co.	Seal edges of panels
I	Tape	68W	Permacel Tape Corp., New Brunswick, N. J.	Tape blanket to structure

Item	Name	Number	Manufacturer	Use
J	Cobwebbing solution	R44-3335	Better Finishes and Coating Co.	Cobweb insulation attachments and holes 1/4 inch or less that are difficult to patch
K	Stripper	Douglas No. 14		Cleaning areas to be taped
L	Blanket material	S5704200	Douglas Aircraft Co., Inc.	Repair and patch blankets
M	Thinner	Standard 200	Union Oil Co. of California	Clean areas to be sealed

3. Removal/Installation - Insulation Blankets (DC-8/8F-50)

A. Remove Blanket

(1) Remove all obstructions.

(2) Remove all staples along blanket joint and open cemented seam, break seal between blanket flap and frame or bracket, or remove tape, as applicable.

(3) In window areas, separate nylon-coated cloth seal from around anacoustical window and retaining ring.

(4) Remove blanket retaining disc.

(5) Remove blanket.

B. Install Blanket to a Blanket (Cabin Only)

NOTE: The following installation procedures are for the Vistonex-coated fabric only (light blue).

(1) Clean areas to be sealed if dirty.

(2) Position blanket and install blanket retaining disc.

CAUTION: CARE MUST BE TAKEN TO PREVENT BLANKET FROM COVERING TOP OF THE SHOULDER OF NUT RETAINER AND FITTING FOR SEAT TRACK AND FACE OF THE SHOCK MOUNT.

(3) Apply a brush coat of C-269 adhesive to the faying surfaces of blanket flaps and allow to dry until tacky.

(4) Join faying surfaces with firm pressure and fold flap twice.

(5) Staple folded flap with STH 2619 staples 4 inches on center.

(6) Install items removed in paragraph 3.A.(1).

C. Install Blanket to a Bracket, Bracket Landing, or Frame (Cabin Only)

NOTE: Cementing and taping are alternate methods for installing blankets to brackets, bracket landings, or frames.

(1) Cementing

(a) Clean the area to be sealed, if dirty, with Solox.

(b) Apply a brush coat of C-269 adhesive to the blanket flaps and the bracket, bracket landing, or frame as applicable and allow to dry until tacky.

(c) Join the faying surfaces with firm pressure.

CAUTION: CARE MUST BE TAKEN TO OBTAIN A GOOD VAPOR SEAL ON THE INBOARD FACE OF THE OVERFRAME BLANKET. IF NECESSARY, ADDITIONAL FLAPS OR PATCHES MAY BE CEMENTED TO THE BLANKETS TO MAKE AN EFFECTIVE SEAL.

(d) Install items removed in paragraph 3.A.(1).

(2) Taping

(a) Tape blanket to bracket, bracket landing, or frame with 68W tape.

(b) Apply cobwebbing as required (see paragraph 7).

(c) Install items removed in paragraph 3.A.(1).

D. Install Blanket to a Blanket (Flight Compartment)

NOTE: The following installation procedures are for vinyl-coated fabric only (gray, green, or yellow).

(1) Clean areas to be sealed, if dirty, with thinner Standard 200.

(2) Position blanket and install screws that hold blanket in place.

(3) Apply a brush coat of Douglas No. 105 adhesive to faying surfaces of flaps and allow to dry until tacky.

(4) Join faying surfaces with firm pressure and fold flap twice.

(5) Staple folded flap with STH 2619 staples 4 inches on center.

(6) Install items removed in paragraph 3.A.(1).

E. Install Blanket to a Bracket, Bracket Landing, or Frame (Flight Compartment)

NOTE: Cementing and taping are alternate methods for installing blankets to brackets, bracket landings, or frames.

(1) Cementing

(a) Clean area to be sealed, if dirty, with thinner Standard 200.

(b) Apply a brush coat of Douglas No. 105 adhesive to blanket flaps and bracket, bracket landing, or frame as applicable and allow to dry until tacky.

(c) Join faying surfaces with firm pressure.

CAUTION: CARE MUST BE TAKEN TO OBTAIN A GOOD VAPOR SEAL ON THE INBOARD FACE OF THE OVERFRAME BLANKET. IF NECESSARY, ADDITIONAL FLAPS OR PATCHES MAY BE CEMENTED TO THE BLANKETS TO MAKE AN EFFECTIVE SEAL.

(d) Install items removed in paragraph 3.A.(1).

(2) Taping (Used Mainly in the Flight Compartment)

(a) Tape blanket to frame with 68W tape.

(b) Install items removed in paragraph 3.A.(1).

F. Repairing Damaged Blankets

NOTE: For vinyl-coated blankets (gray, green, or yellow) use Douglas 804-1 type adhesive, and for Vistanex-coated blankets (light blue) use EC type adhesive.

(1) Using same material for a patch as the blanket apply adhesive to both faying surfaces and allow to dry until tacky.

(2) Join faying surfaces with firm pressure.

G. Cobwebbing

NOTE: Areas requiring cobwebbing are as follows: All insulation attachments, all holes one-fourth of an inch or less that are difficult to patch.

(1) Fill a pressure pot or a one-quart spray gun to desired level with R44-3335 webbing. If pressure pot is used adjust pressure to 5 to 10 psi, if spray gun is used adjust gun for a round spray and air pressure for 30 to 40 psi.

NOTE: The cobwebbing solution R44-3335 is ready for use as supplied from the manufacturer. In order to get optimum adhesion and cobwebbing properties, adjustment of the pressure and distance from the surface being sprayed will vary according to the ambient temperature, humidity, and the length of the air hose.

(2) Hold spray gun nozzle approximately 8 inches from surface to be sprayed, and spray on cobwebbing. Spray enough coats of cobwebbing to obtain a thickness of 12 to 15 mils, and allow to dry for 4 hours.

CAUTION: DO NOT SPRAY COBWEBBING ON ANY OXYGEN FITTING OR IN AREAS WHERE COBWEBBING MAY CAUSE FAILURE OF ELECTRICAL OR MECHANICAL EQUIPMENT.

(3) Using a fitch brush apply a brush coat of EC-1677 (Minnesota Mining Mfg. Co.) saran coating over cobwebbing. The saran coating must extend approximately one-eighth of an inch beyond edge of cobwebbing.

CAUTION: DO NOT USE A SPRAY GUN TO APPLY THE SARAN COATING. CARE MUST BE TAKEN NOT TO BREAK COBWEBBING OR LEAVE PINHOLES.

(4) After allowing the first coat of saran coating to dry for one-half hour, apply a second coat of saran coating, and let dry for 1 hour.

4. Removal/Installation - Insulation Blankets (DC-8-60)

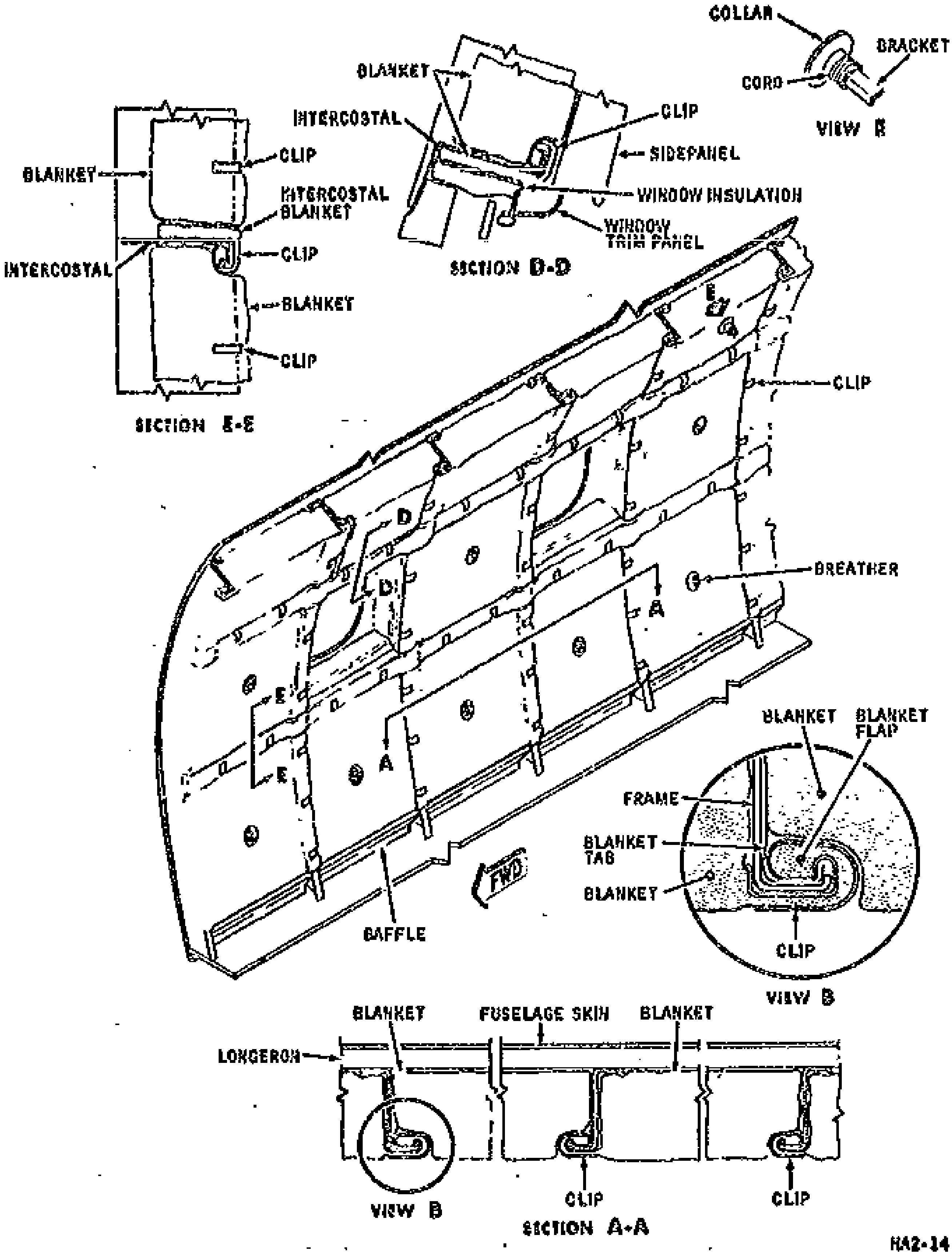
A. Remove Insulation Blankets

(1) Gain access to insulation by removing paneling adjacent to insulation.

(2) Untie or cut cord securing blanket where objects such as brackets protrude through blanket.

(3) Remove blanket retaining clips and break seals where blankets are cemented.

(4) Remove blanket.



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Passenger Compartment Insulation -- Removal/Installation
Figure 201

B. Install Insulation Blankets

(1) Place blanket in position, install spring clips, then install blanket tabs under spring clips and blanket flaps in spring clips.

(2) Inspect installation for gaps between insulation and structural members, openings in vapor seal attachments, and possible sagging of blankets.

(3) Adjust blanket tabs and flaps to eliminate gaps.

(4) Secure and seal collars around brackets or other objects protruding through blanket. Tie with cord, or cement collar to bracket. Use adhesive (H-145).

NOTE: Ensure faying surfaces of blanket and adjacent areas are clean. Clean faying surfaces with denatured alcohol.

(5) Patch all gaps or spaces existing after installation with pieces of blanket cloth using adhesive (H-145).

(6) Inspect blanket for slits, tears, and holes and patch with small pieces of blanket material (S5704200) using adhesive (EC-870).

(7) Clean faying areas, where permanent mastic tape (PRC-620) is to be applied, with stripper (Douglas No. 14) and clean, dry, cotton cloth. Wipe surface clean and dry with clean, dry, cotton cloth.

(8) Install permanent mastic tape (PRC-620) to surfaces where tape was removed. Ensure tape covers and seals entire area.

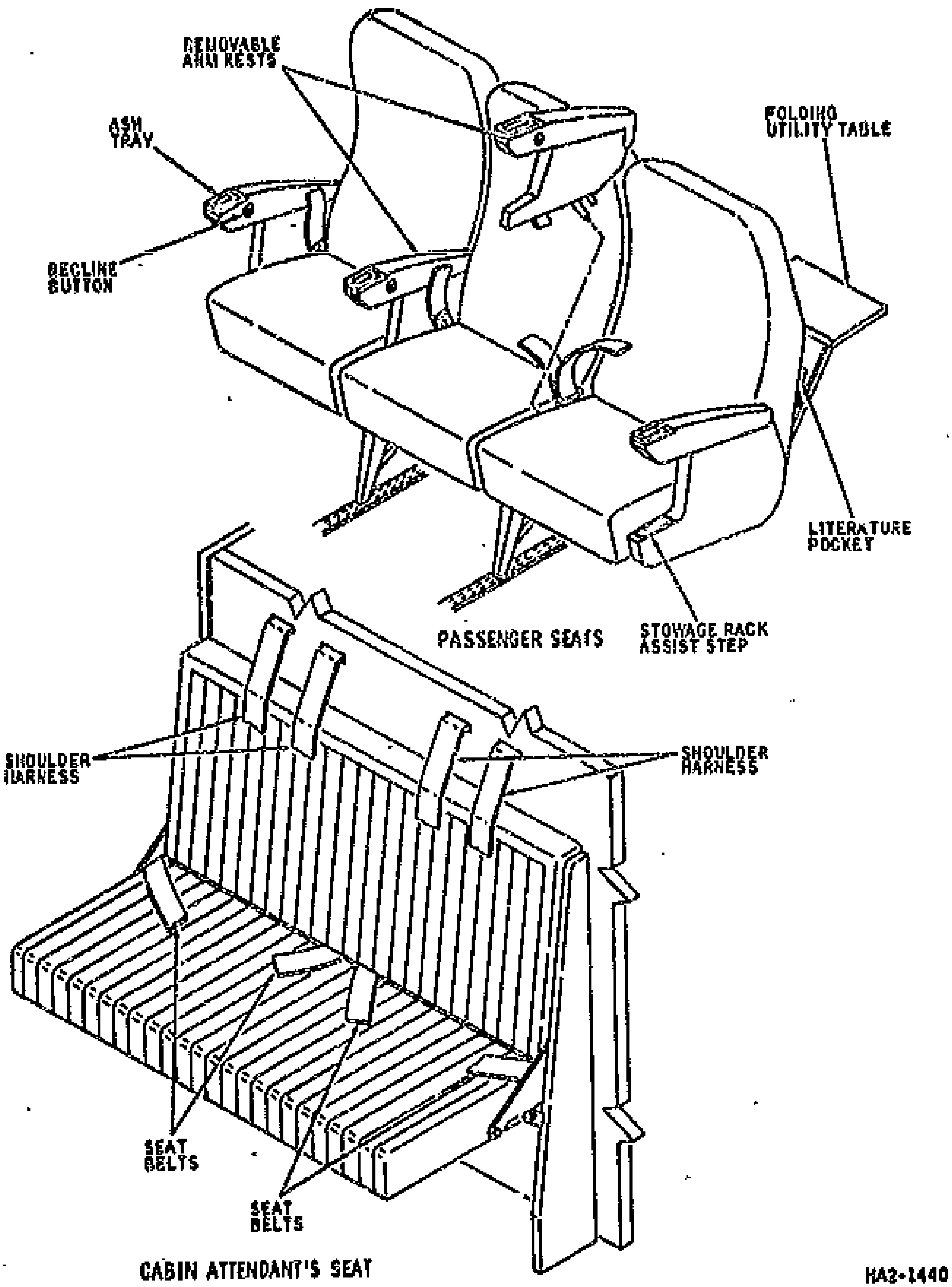
PASSENGER COMPARTMENT SEATS - DESCRIPTION AND OPERATION

1. Description

A. Passenger compartment seats consist of passenger seats and cabin attendants' seats.

B. Each passenger seat in the main cabin is a part of a two- or three-seat assembly. The two-seat assemblies are located in the first-class compartment and the three seat assemblies are located in the tourist-class compartment. The seats are attached to seat tracks in the floor and can be arranged forward or aft for variations in seat spacing. Seat equipment includes cushions, armrests, seat belts, ashtrays, utility tables, and literature pockets. Center armrests are removable and outboard armrests, for seats adjacent to escape hatches, are mounted on the hatches. Seat cushions are held in place by Velcro tape and are hand removable for cleaning or repair. Lifevests are stored in containers attached to the bottom of the seat. The seat backs recline to 33 degrees for tourist seats and 38 degrees for first-class compartment seats. Normal upright position is set at 16 degrees.

C. Cabin attendants' seats consist of two folding double seats and are located at the forward and aft passenger entrance doors. The seat at the forward entrance door is attached to the partition at the forward end of the passenger compartment on the left side, and faces aft. The seat is provided with lifevests and seat belts. The seat at the aft entrance door is attached to the partition on the left side, and faces forward. The seat is provided with lifevests, seat belts, shoulder harnesses, and inertia reels. The inertia reels are installed on the coatroom side of the partition, immediately above the seat back, and the shoulder harnesses extend through two cutouts in the partition. Access to the lifevests is obtained by lowering the hinged seat bottom



Passenger Compartment Seats -- Typical
Figure 1

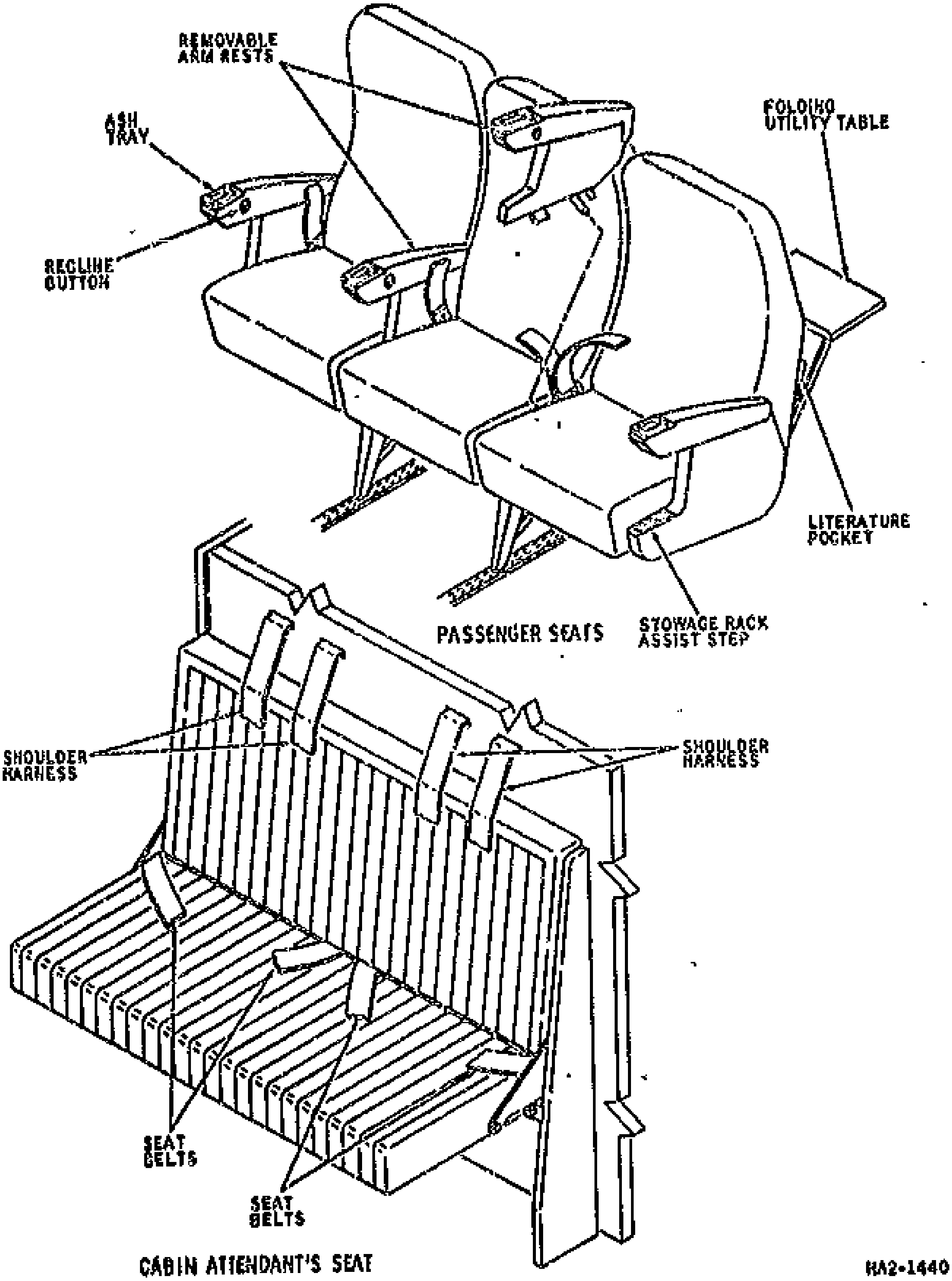
PASSENGER COMPARTMENT SEATS - DESCRIPTION AND OPERATION

1. Description

A. Passenger compartment seats consist of passenger seats and cabin attendants' seats.

B. Each passenger seat in the main cabin is a part of a two- or three-seat assembly. The two-seat assemblies are located in the first-class compartment and the three seat assemblies are located in the tourist-class compartment. The seats are attached to seat tracks in the floor and can be arranged forward or aft for variations in seat spacing. Seat equipment includes cushions, armrests, seat belts, ashtrays, utility tables, and literature pockets. Center armrests are removable and outboard armrests, for seats adjacent to escape hatches, are mounted on the hatches. Seat cushions are held in place by Velcro tape and are hand removable for cleaning or repair. Lifevests are stored in containers attached to the bottom of the seat. The seat backs recline to 33 degrees for tourist seats and 38 degrees for first-class compartment seats. Normal upright position is set at 16 degrees.

C. Cabin attendants' seats consist of three folding double seats and are located at the forward and aft passenger entrance doors. The seat at the forward entrance door is attached to the partition at the forward end of the passenger compartment on the left side, and faces aft. The seat is provided with lifevests and seat belts. The seats at the aft entrance door are attached to the aft partitions on both sides of the aisle, and face forward. The seats are provided with lifevests, seat belts, shoulder harnesses, and inertia reels. The inertia reels are installed on the aft side of the partition, immediately above the seat back, and the shoulder harnesses extend through two cutouts in the partition. Access to the lifevests is obtained by lowering the hinged seat bottom.



Passenger Compartment Seats -- Typical
Figure 1

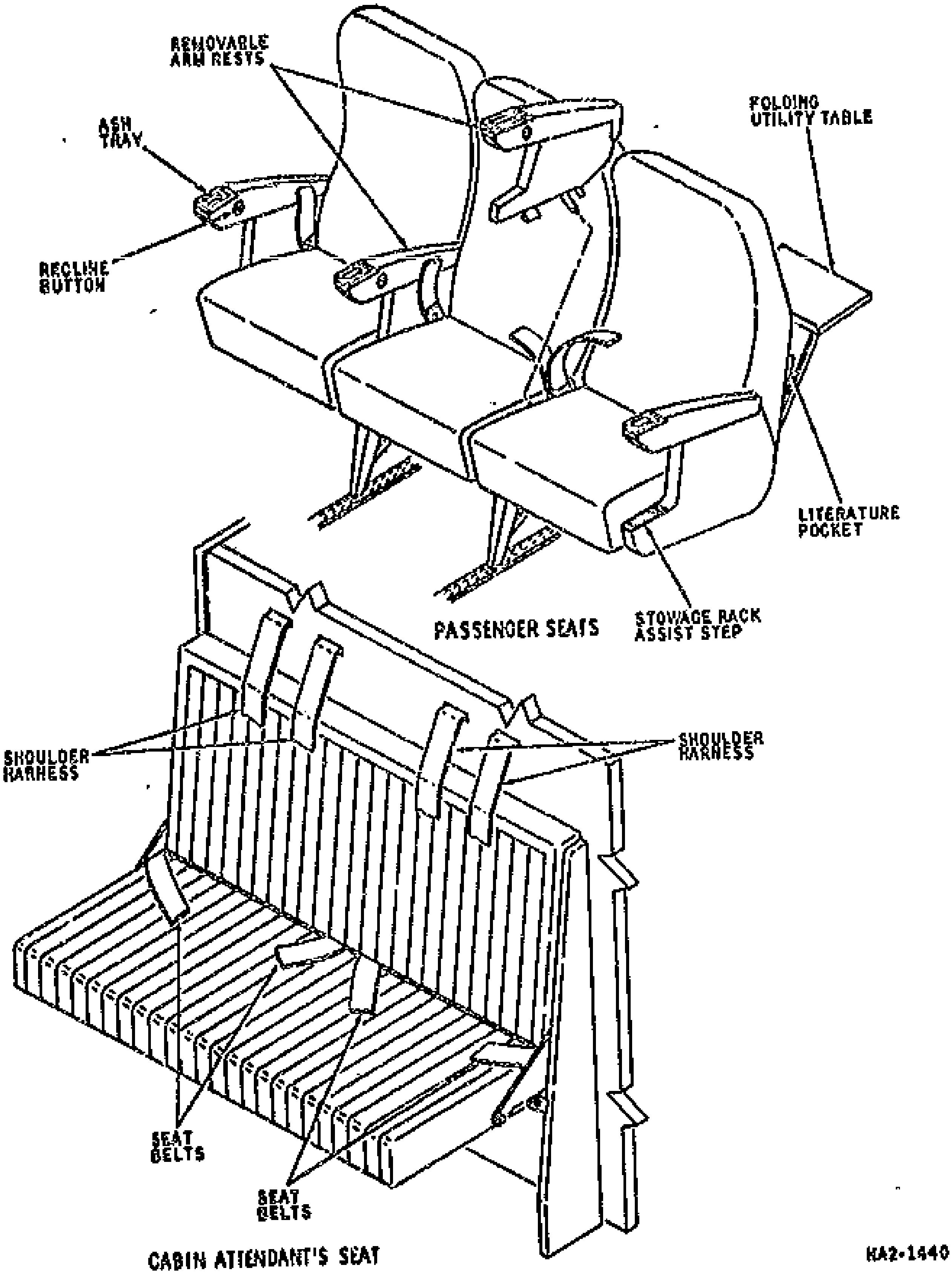
PASSENGER COMPARTMENT SEATS - DESCRIPTION AND OPERATION

1. Description

A. Passenger compartment seats consist of passenger seats and cabin attendants' seats.

B. Each passenger seat in the main cabin is a part of a two- or three-seat assembly. The two-seat assemblies are located in the first-class compartment and the three seat assemblies are located in the tourist-class compartment. The seats are attached to seat tracks in the floor and can be arranged forward or aft for variations in seat spacing. Seat equipment includes cushions, armrests, seat belts, ashtrays, utility tables, and literature pockets. Center armrests are removable and outboard armrests, for seats adjacent to escape hatches, are mounted on the hatches. Seat cushions are held in place by Velcro tape and are hand removable for cleaning or repair. Lifevests are stored in containers attached to the bottom of the seat. The seat backs recline to 33 degrees for tourist seats and 38 degrees for first-class compartment seats. Normal upright position is set at 16 degrees.

C. Cabin attendants' seat consist of one folding double seat located at the forward passenger entrance door. The seat is attached to the partition at the forward end of the passenger compartment on the left side, faces aft, and is provided with lifevests and seat belts. Access to the lifevests is obtained by lowering the hinged seat bottom.



Passenger Compartment Seats -- Typical
Figure 1

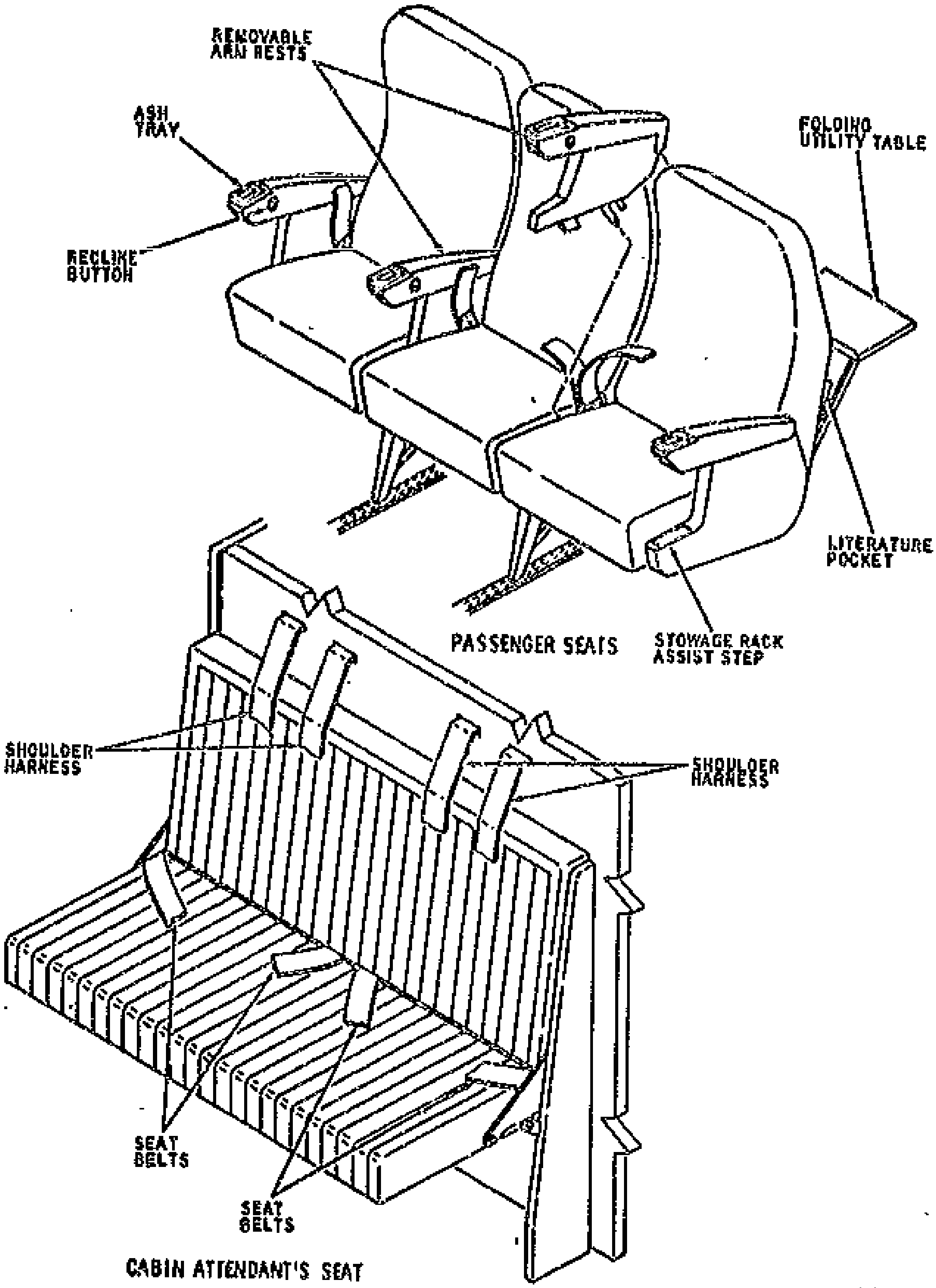
PASSENGER COMPARTMENT SEATS - DESCRIPTION AND OPERATION

1. Description

A. Passenger compartment seats consist of passenger seats and cabin attendants' seats.

B. Each passenger seat in the main cabin is a part of a two- or three-seat assembly. The two-seat assemblies are located in the first-class compartment and the three seat assemblies are located in the tourist-class compartment. The seats are attached to seat tracks in the floor and can be arranged forward or aft for variations in seat spacing. Seat equipment includes cushions, armrests, seat belts, ashtrays, utility tables, and literature pockets. Center armrests are removable and outboard armrests, for seats adjacent to escape hatches, are mounted on the hatches. Seat cushions are held in place by Velcro tape and are hand removable for cleaning or repair. Lifevests are stored in containers attached to the bottom of the seat. The seat backs recline to 33 degrees for tourist seats and 38 degrees for first-class compartment seats. Normal upright position is set at 16 degrees.

C. Cabin attendants' seats consist of three folding double seats and are located at the forward and aft passenger entrance doors. The seat at the forward entrance door is attached to the partition at the forward end of the passenger compartment on the left side, and faces aft. The seat is provided with lifevests and seat belts. The seats at the aft entrance door are attached to the aft partitions on both sides of the aisle, and face aft. The seats are provided with lifevests, seat belts, shoulder harnesses, and inertia reels. The inertia reels are installed on the forward side of the partition, immediately above the seat back, and the shoulder harnesses extend through two cutouts in the partition. Access to the lifevests is obtained by lowering the hinged seat bottom.



Passenger Compartment Seats -- Typical
Figure 1

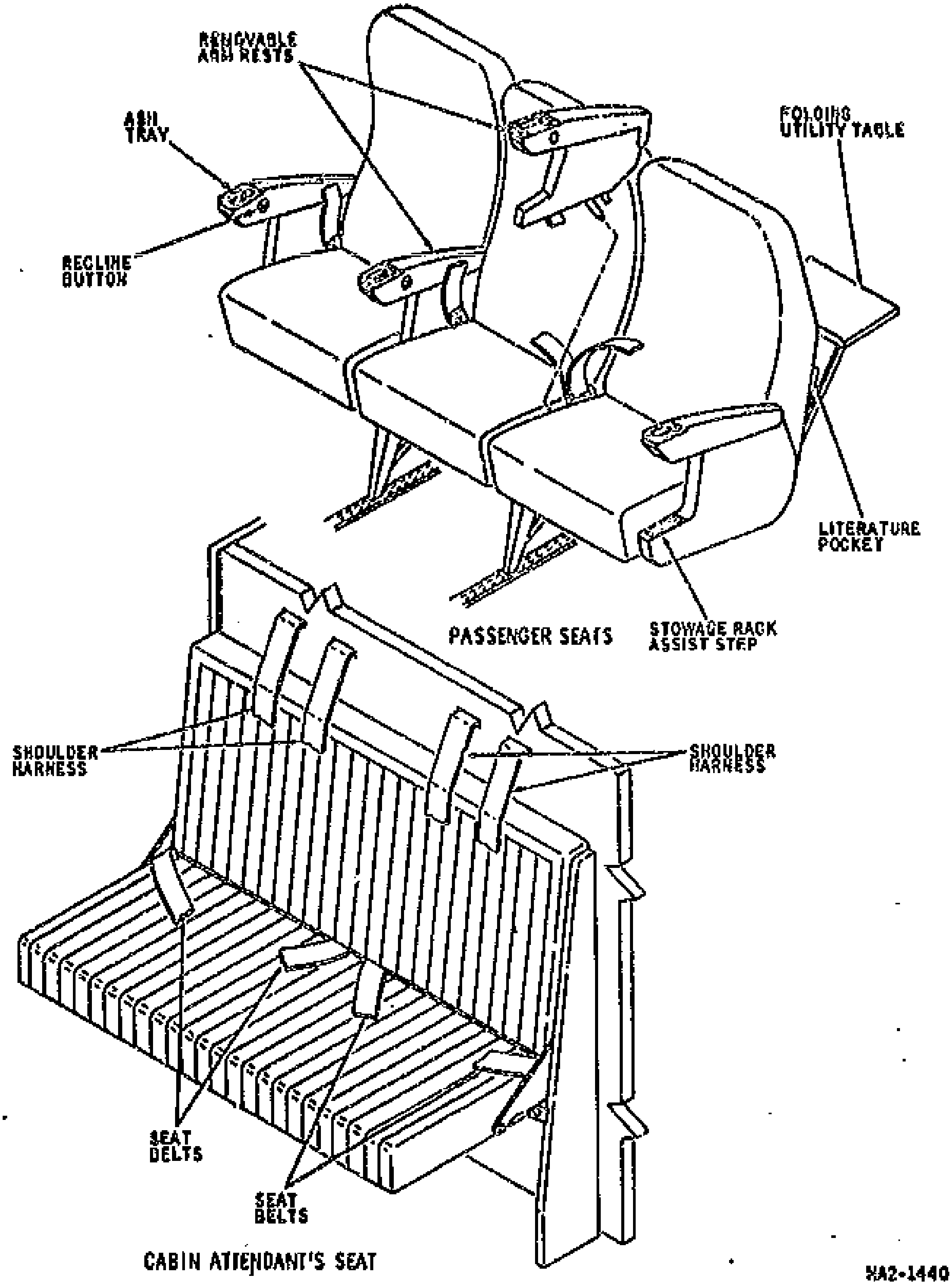
PASSENGER COMPARTMENT SEATS - DESCRIPTION AND OPERATION

1. Description

   A. Passenger compartment seats consist of passenger seats and cabin attendants seats.

   B. Each passenger seat in the main cabin is a part of a two-or three-seat assembly. The two-seat assemblies are located in the first class compartment, attached to the floor, and can be arranged in various seat spacings by moving forward or aft in the seat tracks. Seat equipment includes cushions, arm rests, seat belts, ash trays, utility trays, and literature pockets. Center armrests are removable and outboard armrests, mounted on hatches, for seats adjacent to overwing escape doors. Seat cushions are held in place by velcro tape and are hand removable for cleaning or repair. Life vests are stored in compartments attached to the bottom of the seat. Seat backs recline to 38 degrees for first class seats and 33 degrees for tourists seats. Normal upright position is set at 16 degrees.

   C. Cabin attendants seats consist of three folding double seats located at forward entrance door, aft entrance door, and cargo/passenger divider partition. The forward entrance door seat is attached to aft face of the radio rack and faces aft. The seat at the aft entrance door is attached to the coat room partition and/or galley, and faces forward. The seat on the cargo/passenger divider partition faces aft. Seats are provided with seat belts, shoulder harnesses, and life vests. Life vests are accessible by lowering the folding seat bottom down.



Passenger Compartment Seats -- Typical
Figure 1

PASSENGER COMPARTMENT SEATS - DESCRIPTION AND OPERATION

1. Description

A. Passenger compartment seats consist of passenger seats and cabin attendants' seats.

B. Each passenger seat in the main cabin is a part of a two- or three-seat assembly. The two-seat assemblies are located in the first-class compartment and the three seat assemblies are located in the tourist-class compartment. The seats are attached to sidewall and floor seat tracks in the DC-8/8F-50 and to only floor seat tracks in the DC-8-60 and can be arranged forward or aft for variations in seat spacing. In the DC-8/8F-50 oxygen provisions are located in the back of the middle seat in a three-seat group, and in the back of the aisle seat in a two-seat group. A cabin attendant call button is installed in the back of each two-seat or three-seat group adjacent to the oxygen provisions. A fluorescent reading light is installed in the inboard corner of each seat back and is operated by a switch located below the light. Each seat is equipped with a seat belt, and a utility tray located in the back of the seat. Each seat is also equipped with an adjustable back which is controlled by a seat lock mechanism located under the seat. In the DC-8-60 seat equipment includes cushions, armrests, seat belts, ashtrays, utility tables, and literature pockets. Center armrests are removable and outboard armrests, for seats adjacent to escape hatches, are mounted on the hatches. Seat cushions are held in place by Velcro tape and are hand removable for cleaning or repair. Lifevests are stored in containers attached to the bottom of the seat. The seat backs recline to 33 degrees for tourist seats and 38 degrees for first-class compartment seats. Normal upright position is set at 16 degrees.

C. In the DC-8/8F-50, cabin attendants' seats consist of two folding double seats and one single folding seat located at the forward and aft passenger entrance doors. The forward double seat is attached to the partition at the forward end of the passenger compartment on the left side and faces aft. The forward single seat is attached to the forward coatroom on the left side and faces inboard. The aft double seat is attached to the aft left coatroom and faces forward. In the DC-8F-50 passenger/cargo configuration, cabin attendants' seats consist of two folding double seats located at the aft passenger entrance door and the aft face of the passenger/cargo divider partition. The aft seat faces forward and the forward seat faces aft. In the DC-8-60, cabin attendants' seats consist of three folding double seats and are located at the forward and aft passenger entrance doors. The seat at the forward entrance door is attached to the partition at the forward end of the passenger compartment on the left side, and faces aft. The seat is provided with lifevests and seat belts. The seats at the aft entrance door are attached to the aft partitions on both sides of the aisle, and face forward. The seats are provided with lifevests, seat belts, shoulder harnesses, and inertia reels. The inertia reels are installed on the aft side of the partition, immediately above the seat back, and the shoulder harnesses extend through two cutouts in the partition. Access to the lifevests in all configurations is obtained by lowering the hinged seat bottom.

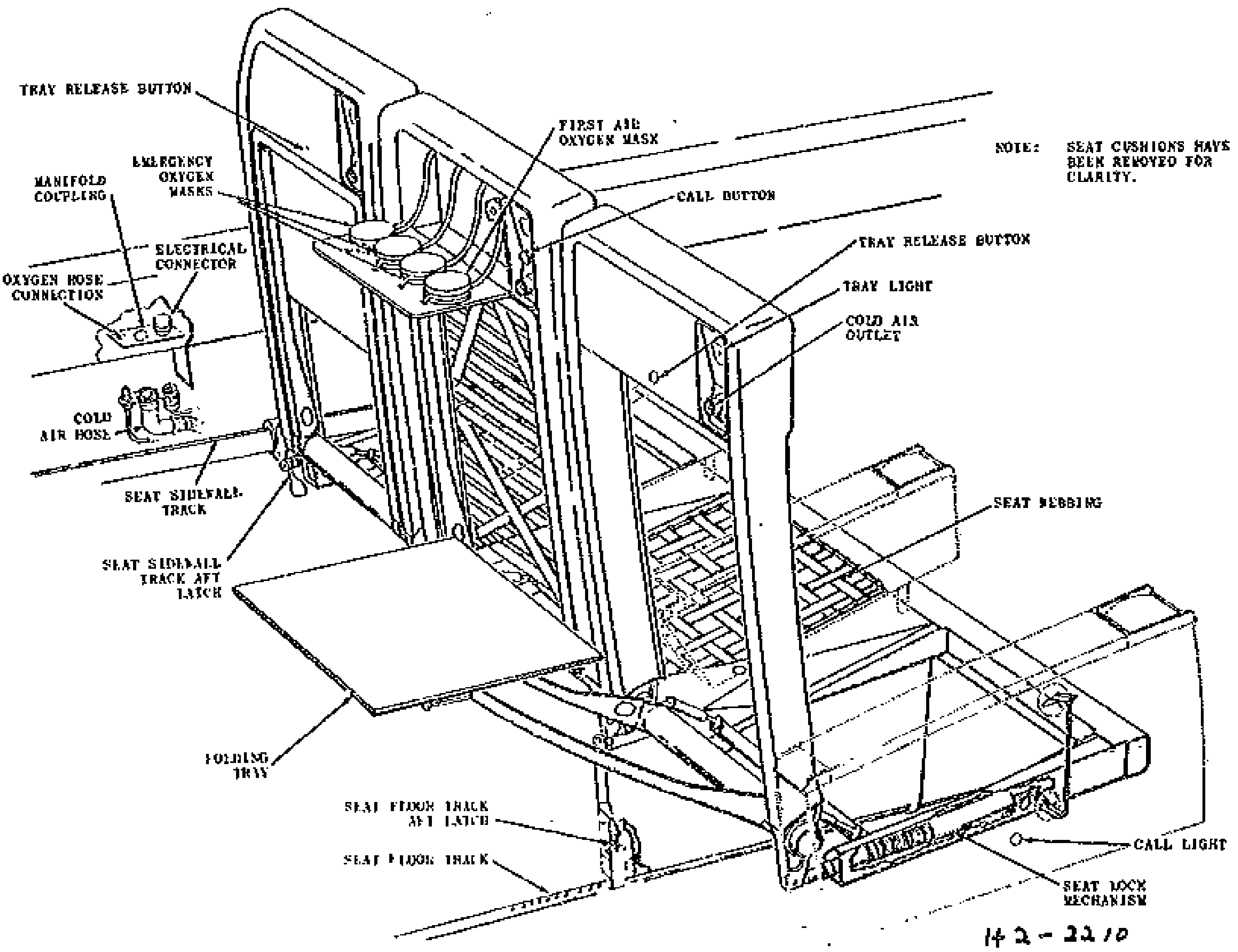
2. Operation (DC-8/8F-50)

A. Movement of the DC-8/8F-50 passenger seat back causes the piston to move within the cylinder and transfers hydraulic fluid from one end of the cylinder to the other through a small port. The flow of fluid is controlled by a control lever and linkage located in the seat armrest, and a control arm and rod on the forward end of the cylinder. Arresting the flow of fluid by releasing the control in the armrest locks the seat back in position.

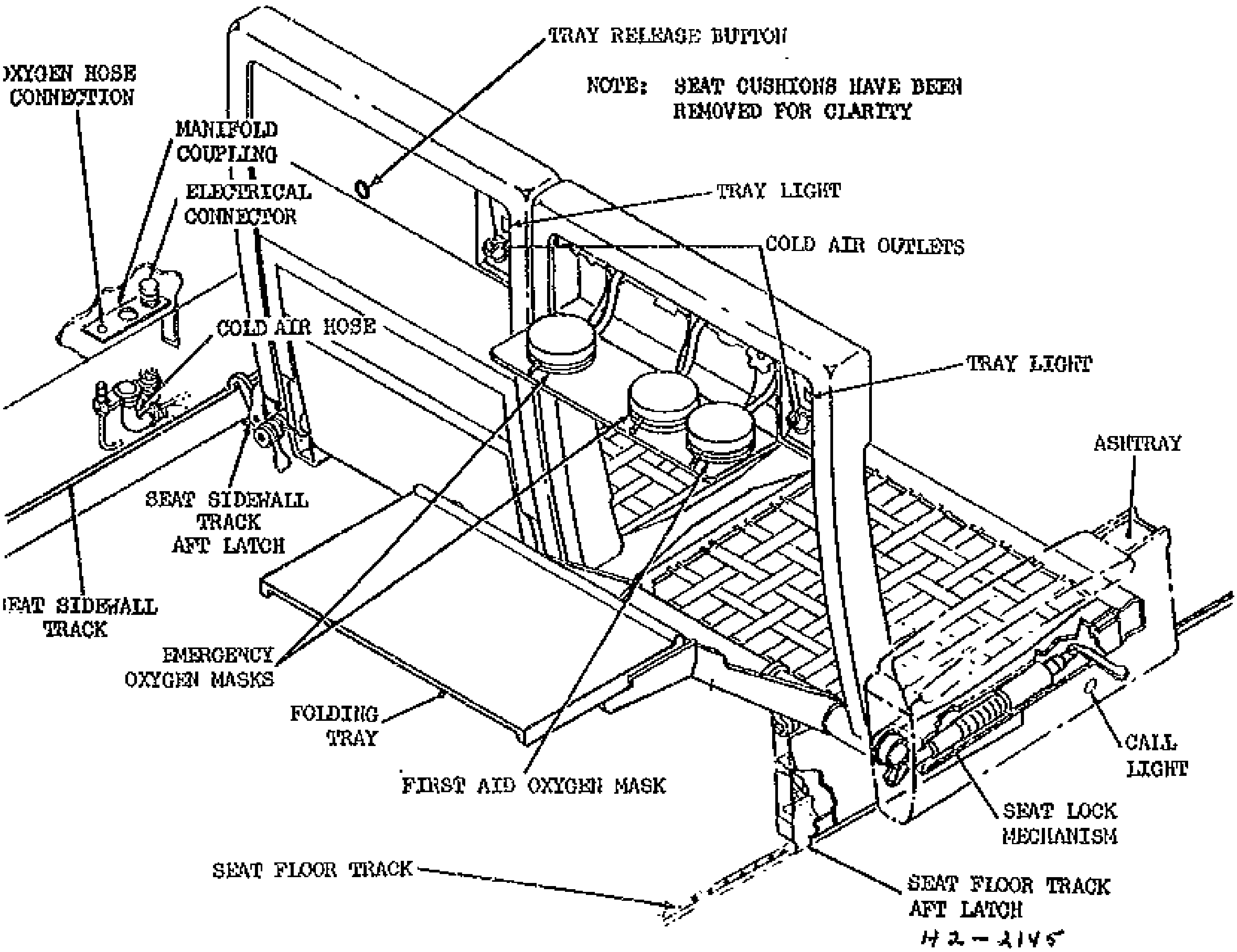
B. Three limits of seat back travel are provided by a pin and three detents in the stroke limit sleeve at the aft end of the seat lock. Turning the knurled sleeve and centering the pin in one of the three detents, limits the amount of seat back travel.

C. In the DC-8F each seat is provided with a latch to lock the folding leg in the folded position. Four additional short legs are installed on the underside of the seat at each corner. When the folding leg is locked in the folded position, the seat can be placed upon the ground without the possibility of being damaged.

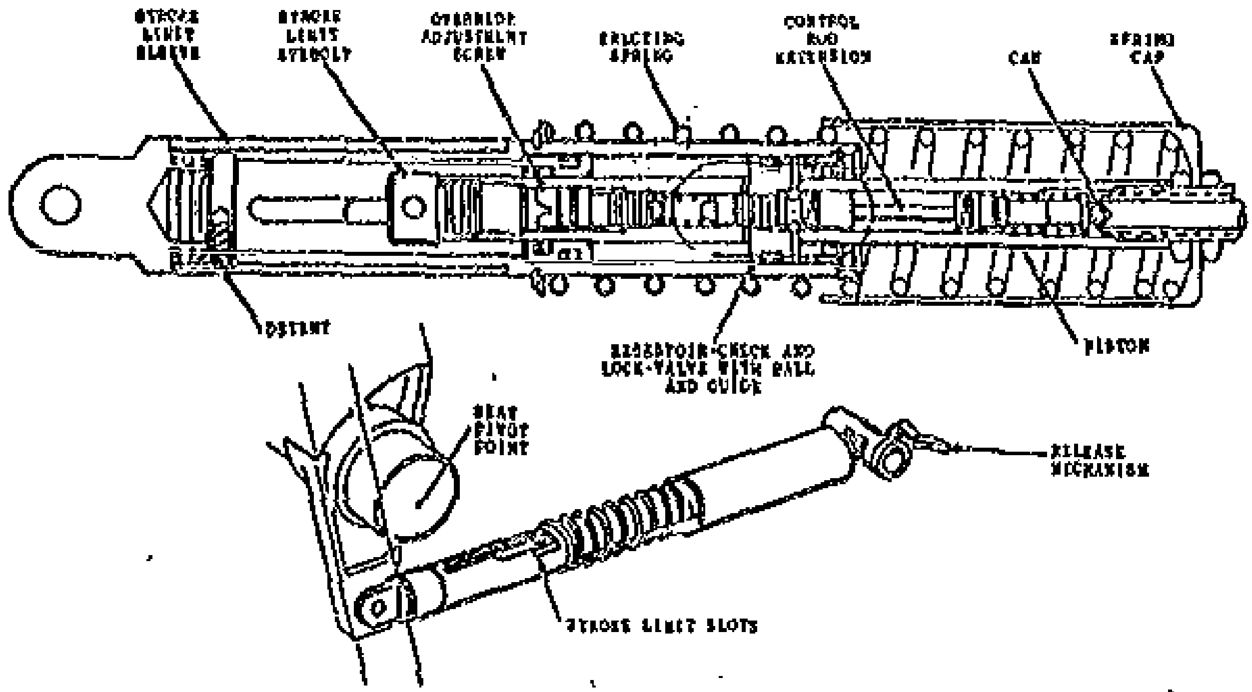
D. A seat stop is installed on the inboard side of the outboard seat back, aft of each emergency exit. The stop prevents the seat back from folding forward and restricting evacuation through the emergency exit. The stop consists of a U-bolt, plate, washers, and wingnuts.



Passenger Seat Assembly -- Tourist (DC-8/8F-50)
Figure 1

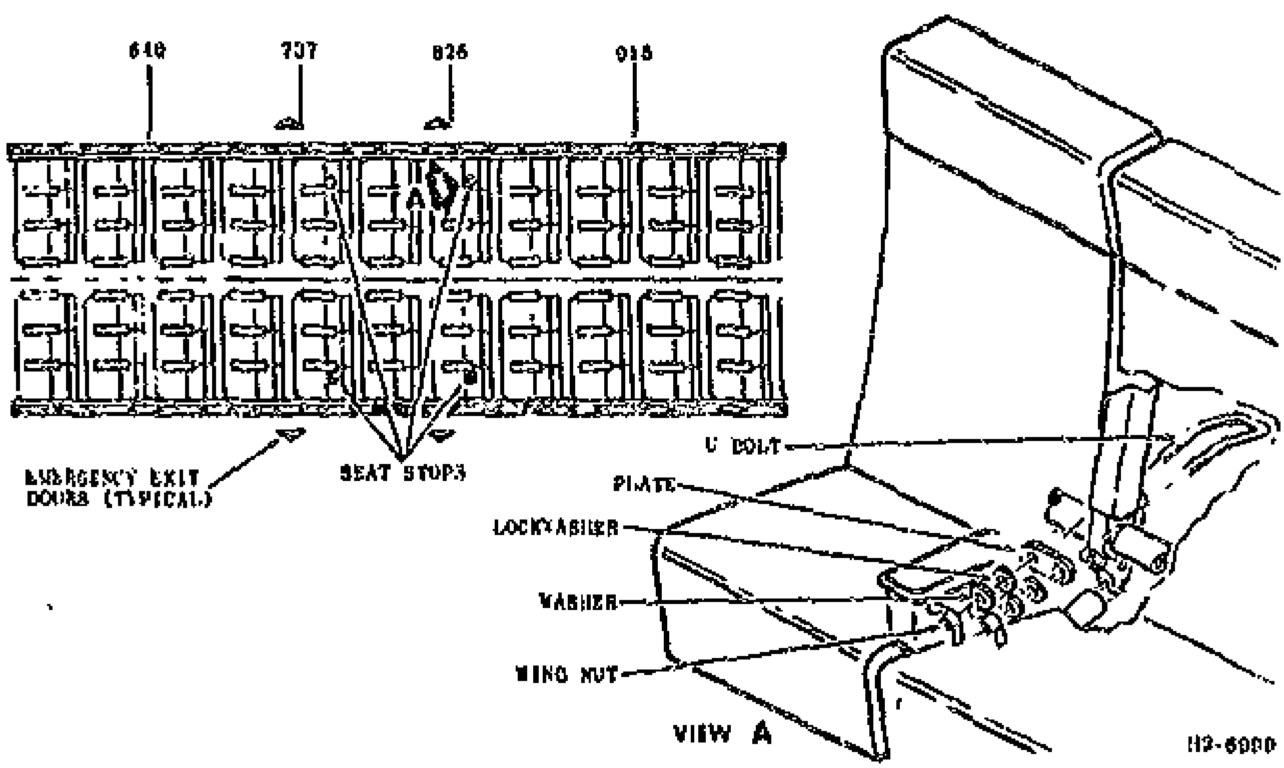


Passenger Seat Assembly -- First Class (DC-8/8F-50)
Figure 2

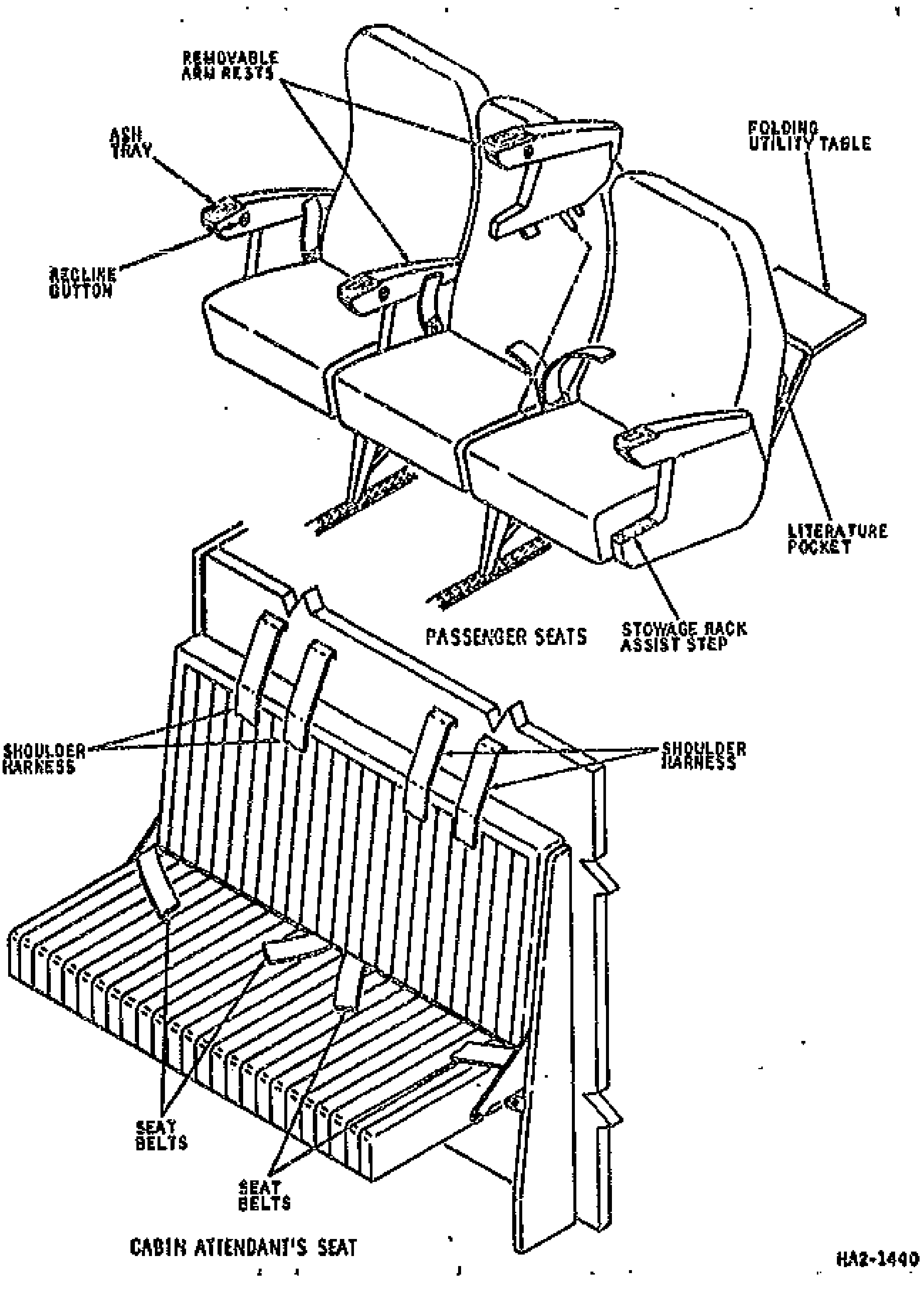


H2-4330

Passenger Seat Lock Mechanism
Figure 3



Seat Stop Installation -- Typical (DC-8/8F-50)
Figure 4



Passenger Compartment Seats -- Typical (DC-8-60)
Figure 5

PASSENGER COMPARTMENT SEATS - DESCRIPTION AND OPERATION

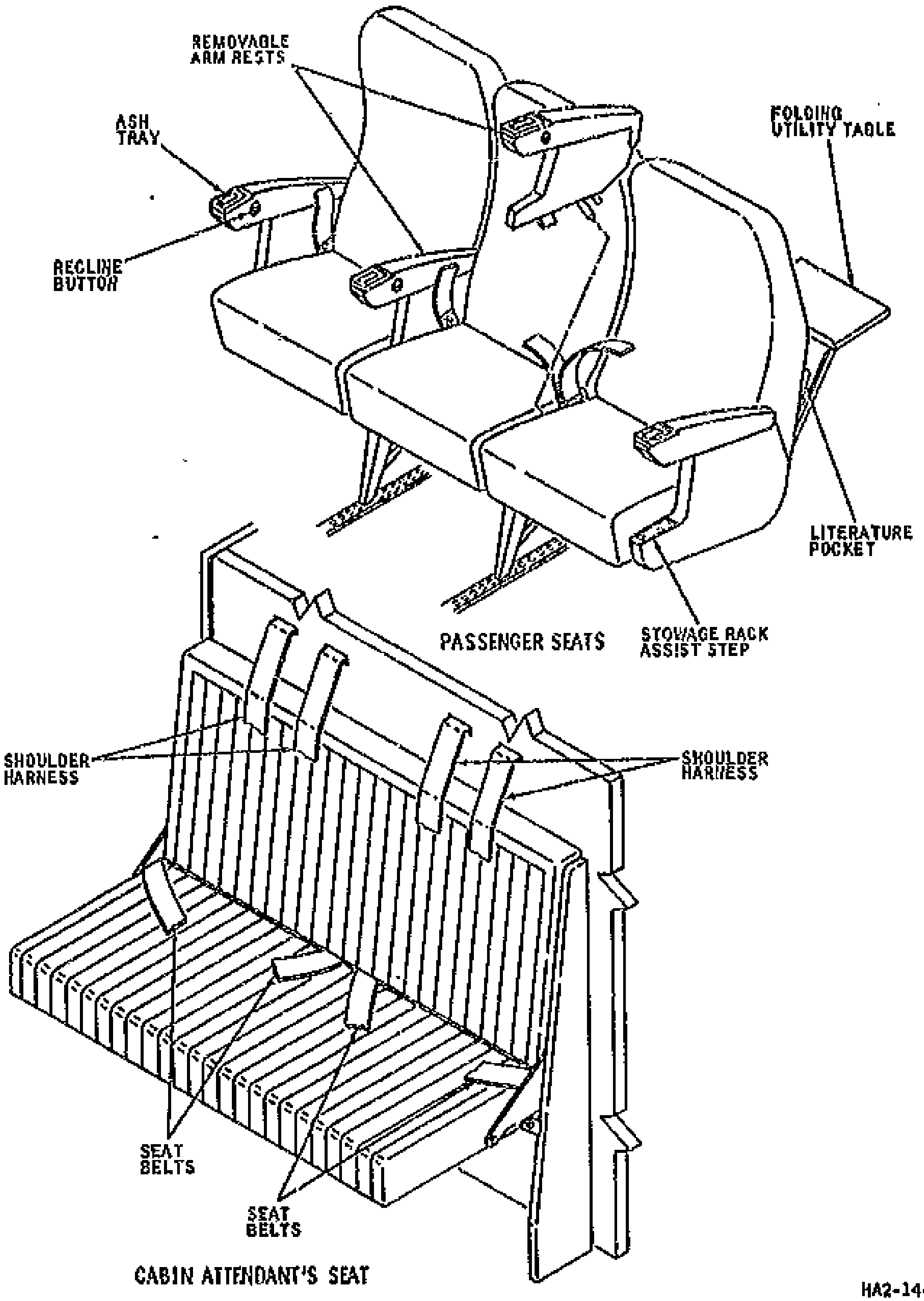
1. Description

A. Passenger compartment seats consist of passenger seats and cabin attendants' seats.

B. Each passenger seat in the main cabin is a part of a two- or three-seat assembly. The two-seat assemblies are located in the first-class compartment and the three-seat assemblies are located in the tourist-class compartment. The seats are attached to seat tracks in the floor and can be arranged forward or aft for variations in seat spacing. Seat equipment includes cushions, armrests, seat belts, ashtrays, utility tables, and literature pockets. Center armrests are removable and outboard armrests, for seats adjacent to escape hatches, are mounted on the hatches. Seat cushions are held in place by Velcro tape and are hand removable for cleaning or repair. Lifevests are stored in compartments attached to the bottom of the seat. The seat backs recline to 33 degrees for tourist seats and 38 degrees for first-class compartment seats. Normal upright position is set at 16 degrees.

C. Cabin attendents seats consist of three folding double seats and three single folding seats. The double seats are located at forward entrance door, aft entrance door, and cargo passenger divider partition. The forward entrance door seat is attached to the aft face of the radio rack and faces aft. The seat at aft, entrance door is attached to the coat room partition and faces forward. The seat on cargo/passenger divider partition faces aft, on the right side of partition. Seats are provided with seat belts, shoulder harnesses, life vests, and inertia reels.

D. Single seats are installed on forward entrance door wind screen facing forward, galley unit number one facing aft, and on galley unit number four facing forward. Seats are provided with seat belts, shoulder harnesses, and galley seats have oxygen provisions in overhead ceiling.



Passenger Compartment Seats -- Typical
Figure 1

PASSENGER SEATS -- TROUBLE SHOOTING

1. Trouble Shooting

NOTE: Trouble shooting procedures for all passenger seats are identical.

Possible Causes	Isolation Procedures	Correction
A. SEAT DOES NOT RETURN TO UPRIGHT POSITION		
(1) Obstruction in seat lock mechanism or linkage	Check lock mechanism and linkage in seat arm	Remove obstruction
(2) Broken control linkage	Check linkage for broken parts	Replace broken parts
(3) Broken spring in lock mechanism	With control button up, push seat back aft. If no resistance is felt, there is indication of a broken spring	Replace seat lock mechanism
(4) Control arm slips on control rod at lock mechanism	Move control button on seat arm and check for movement of rod on seat lock mechanism	Relocate and tighten control button in arm opening
B. SEAT DOES NOT LOWER		
(1) Obstruction at seat lock or linkage in seat arm	Difficulty in moving control button indicates obstruction	Remove obstruction
(2) Broken linkage	Check linkage in seat arm for breakage	Replace broken parts
(3) Control arm slips on control rod at lock mechanism	Move control button and check for movement of control rod	Relocate control arm on control rod

Possible Causes	Isolation Procedures	Correction
B. SEAT DOES NOT LOWER (Continued)		
(4) Foreign matter in port inside hydraulic cylinder	If lock cannot be collapsed with one end detached and the control arm turned, it indicates a closed port	Replace lock mechanism
C. SEAT RAISES OR DROPS SHARPLY		
(1) Faulty hydraulic cylinder	Check for leak in cylinder	Replace cylinder
D. SEAL LOCK DOES NOT HOLD AND ALLOWS SEAT BACK TO MOVE AFTER STOPPING		
(1) Leaking hydraulic port	Check for leak in cylinder	Replace cylinder
(2) Control button mislocated in arm opening	Check control button for proper positioning with button in lock position	Relocate control arm on control rod at lock mechanism
E. SEAT BACK LOOSE		
(1) Locknut loose on forward end of seat lock mechanism	Move seat back and check for movement of locknuts on the trunnion at forward end of seat lock mechanism	Adjust seat back (see 25-23-1, Maintenance Practices, paragraph 5) and tighten locknuts

PASSENGER SEATS - MAINTENANCE PRACTICES

1. Removal/Installation Passenger Seats

   A. Remove Passenger Seats

      (1) Fold seat backs forward and down against seat bottoms.

      (2) Unlock seat track lock on each rear leg (see Figure 201, view A).

      (3) Push seat fore or aft about 1/2 inch to free seat retaining studs from seat tracks.

      (4) Lift seat from seat tracks and relocate seat, or remove as necessary.

   B. Install Passenger Seats

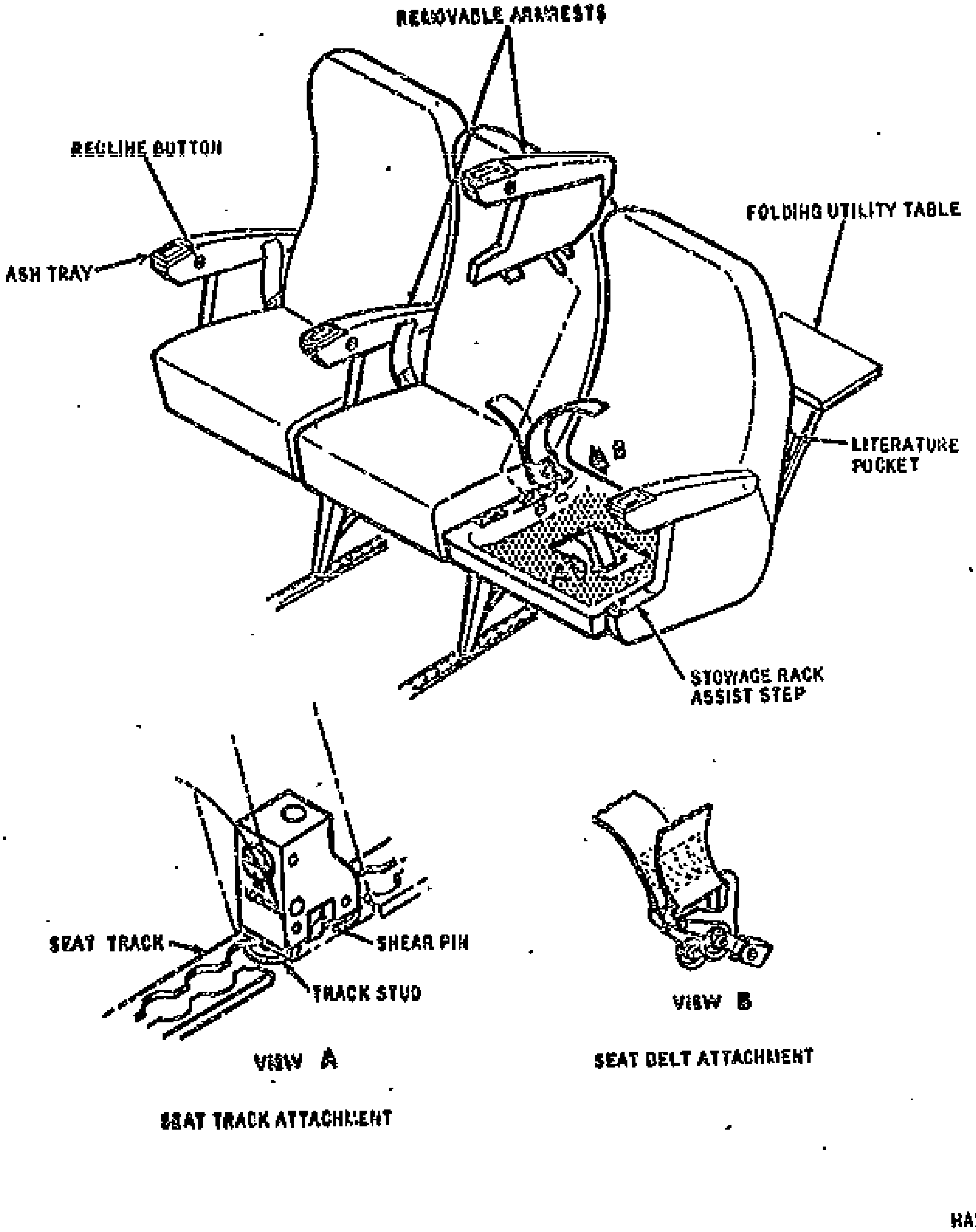
      (1) Fold seat backs forward and down against seat bottoms.

      (2) Place seat assembly over seat tracks at desired location and guide seat retaining studs into seat track openings. Ensure seat assembly is positioned squarely across seat track axis.

      (3) Position utility box panels in relation to seat rows with front edge of door approximately 1/2 inch forward of front edge of seat bottom (See 25-25-0).

      (4) Lock seat track lock on rear legs (see Figure 201, view A).

      (5) Raise seat back to normal upright position.



Passenger Seats -- Removal/Installation
Figure 201

TR 25-35

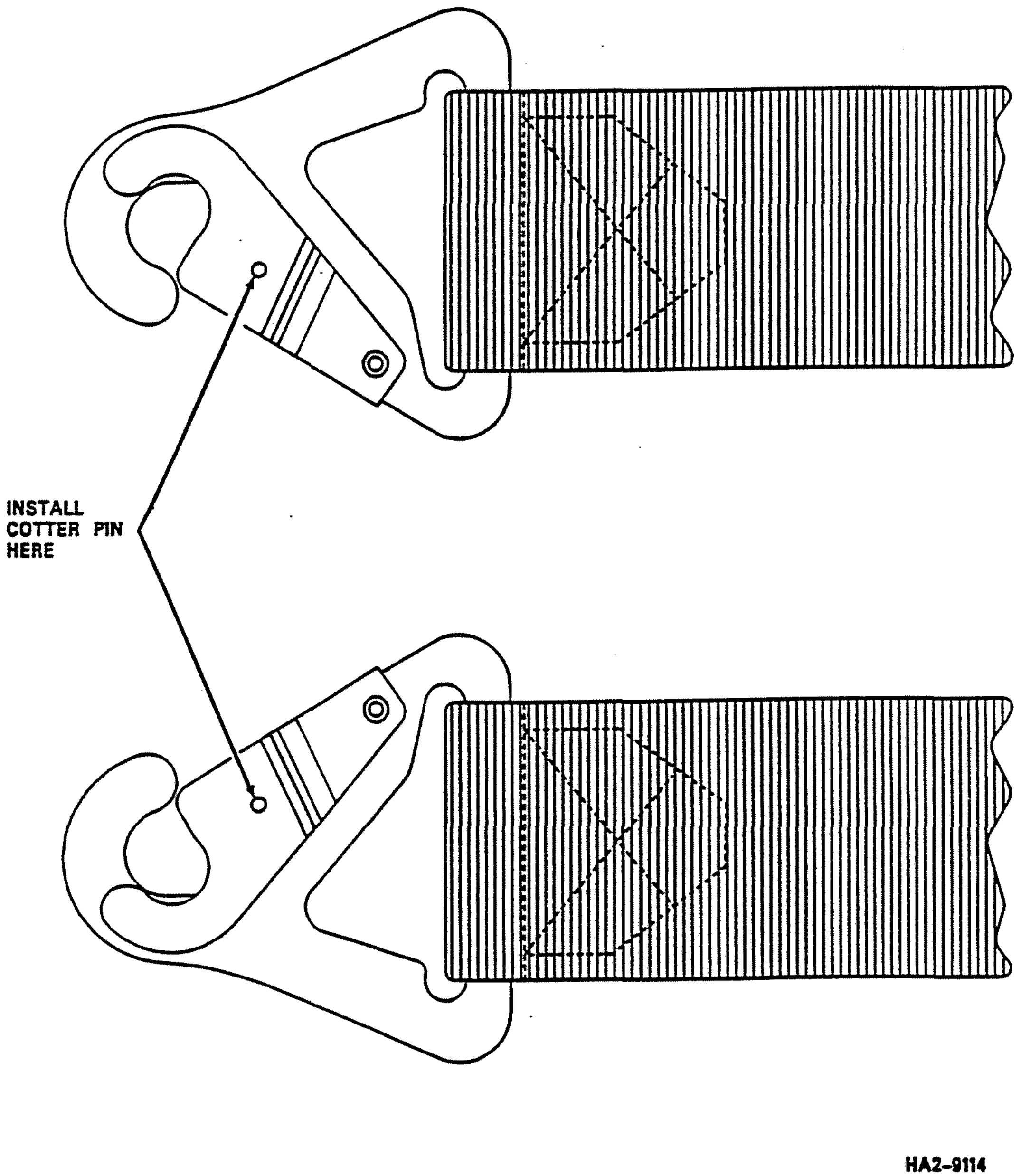
TEMPORARY REVISION 25-35

FILING INSTRUCTIONS: Insert this Temporary Revision immediately following Chapter 25-23-1, CODE 1, Page 202, Maintenance Practices.

Retain this Temporary Revision until notified to remove it.

DESCRIPTION AND REASON: This Temporary Revision adds illustration of cotter pin installation of lap belt attach snap hook.

EFFECTIVITY: UAL (46084)



Cotter Pin Installation
Figure 202

PASSENGER SEATS - MAINTENANCE PRACTICES

1. Removal/Installation Passenger Seats

   A. Remove Passenger Seats

      (1) Fold seat backs forward and down against seat bottoms.

      (2) Unlock seat track lock on each rear leg (see Figure 201, view A).

      (3) Push seat fore or aft about 1/2 inch to free seat retaining studs from seat tracks.

      (4) Lift seat from seat tracks and relocate seat, or remove as necessary.

   B. Install Passenger Seats

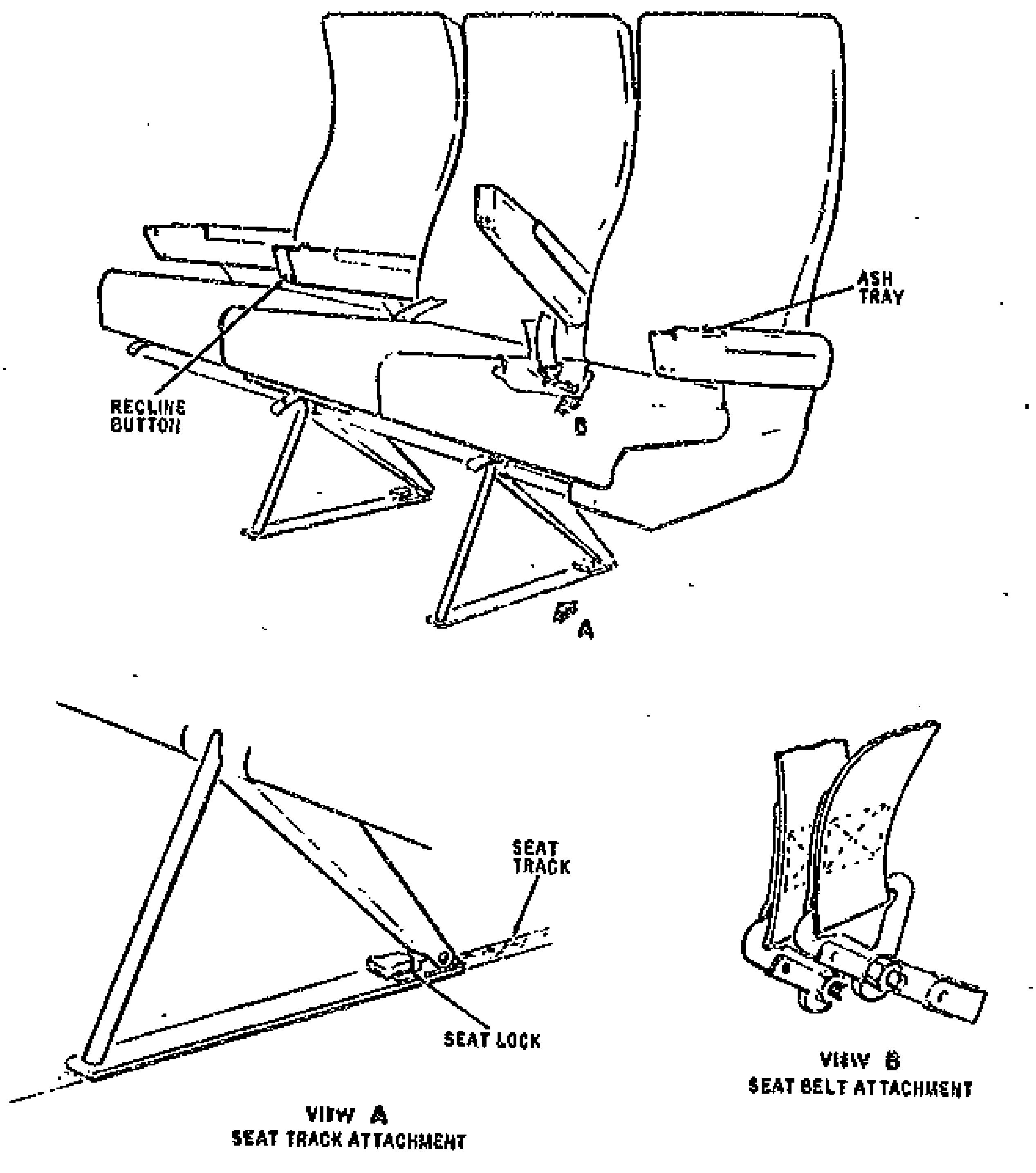
      (1) Fold seat backs forward and down against seat bottoms.

      (2) Place seat assembly over seat tracks at desired location and guide seat retaining studs into seat track openings. Ensure seat assembly is positioned squarely across seat track axis.

      (3) Position utility box panels in relation to seat rows with front edge of door approximately 1/2 inch forward of front edge of seat bottom (See 25-25-0).

      (4) Lock seat track lock on rear legs (see Figure 201, view A).

      (5) Raise seat back to normal upright position.



Passenger Seats -- Removal/Installation
Figure 201

PASSENGER SEATS - MAINTENANCE PRACTICES

1. General

A. Maintenance of a passenger seat consists of removal and installation of the seats, food trays, and recline cylinders and adjustment and test of seat back breakover, seat recline cylinder, and food tray assemblies.

B. The Removal/Installation procedures for the seat, recline cylinder, and food tray are identical for each seat assembly.

2. Removal/Installation - Passenger Seat (See Figure 201.)

A. Remove Passenger Seat

(1) Remove center armrest and fold seat back forward and down against seat bottom.

(2) Unlock seat track attachments on each rear leg.

(3) Move seat forward or aft about 1/2 inch to free seat retaining studs from seat track.

(4) Lift seat from seat tracks and relocate or remove as desired.

B. Install Passenger Seat

(1) Fold seat backs forward and down against seat bottoms.

(2) Place seat assembly over seat tracks at desired location and guide seat retaining studs into seat track openings. Ensure seat assembly is positioned squarely across seat track axis.

NOTE: Position utility box panels in relation to seat rows with front edge of door approximately 1/2 inch forward of front edge of seat bottom (see 25-25-0).

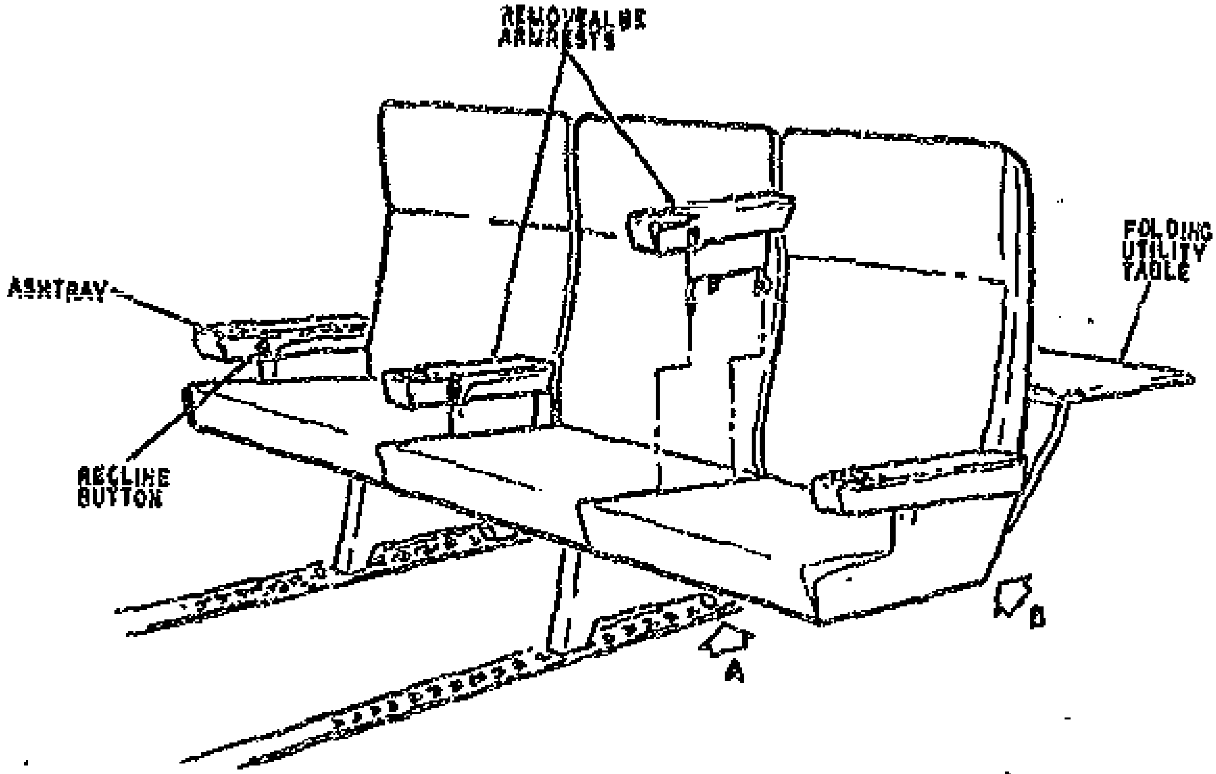
(3) Lock seat track attachments on rear legs.

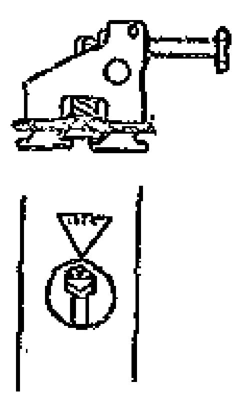
(4) Raise seat back to normal upright position and install center armrests.

3. Removal/Installation - Food Tray (See Figure 202.)

A. Remove Food Tray

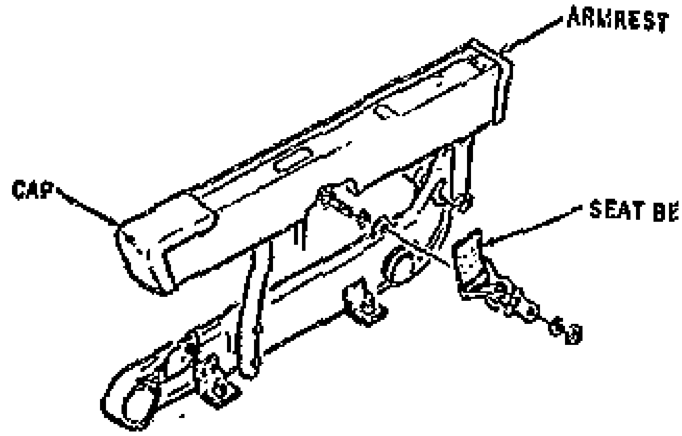
(1) Fold seat back forward exposing attach pins through food tray, seat back, and seat frame.





VIEW A

SEAT TRACK ATTACHMENT



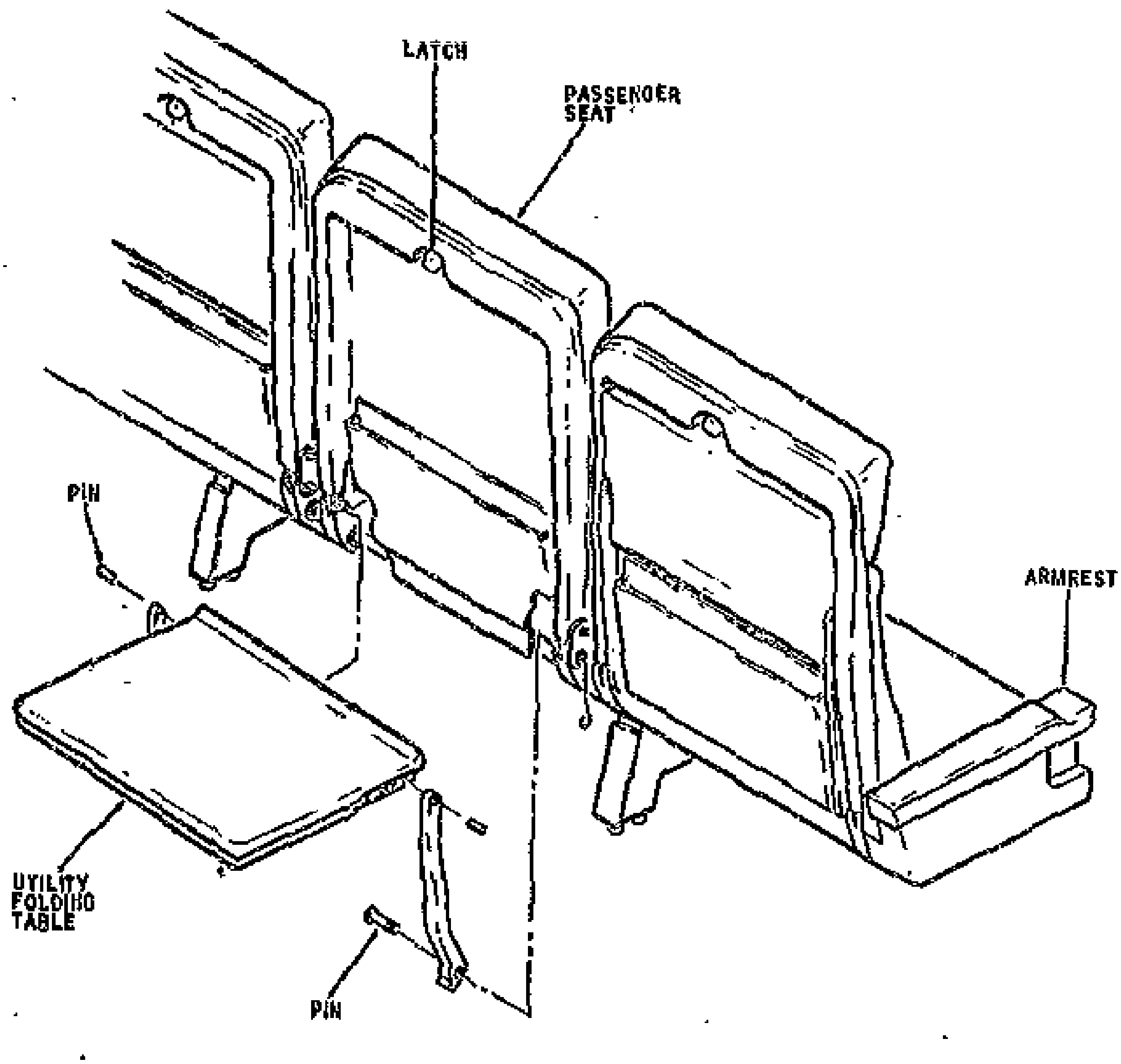
VIEW B

SEAT BELT ATTACHMENT

Passenger Seats - Removal/Installation (Typical)
Figure 201

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HA2-5848

Food Tray - Removal/Installation (Typical)
Figure 202

(2) Support seat back and remove lock rings and attach pins.

NOTE: Removing the attach pins from seat frame will also disconnect the seat back.

(3) Turn latch and remove food tray from recess in seat back.

(4) Replace attach pins through seat frame and seat back. Retain lock rings for installation of food trays.

B. Install Food Tray

(1) Fold seat back forward exposing attach pins.

(2) Insert food tray into recess in seat back and turn latch.

(3) Supporting seat back remove attach pins.

(4) Install attach pins through food tray legs, seat back, and seat frame.

(5) Install lock rings on attach pins.

(6) Raise seat back to normal upright position.

4. Removal/Installation - Seat Recline Cylinder (See Figure 203.)

A. Remove Seat Recline Cylinder

(1) Remove center armrests by lifting upward.

NOTE: The center armrest will slide up free of retaining support guide in seat frame.

(2) Remove outer armrest incorporating recline cylinder control lever.

(a) Remove seat bottom cushion.

(b) Remove armrest from cover.

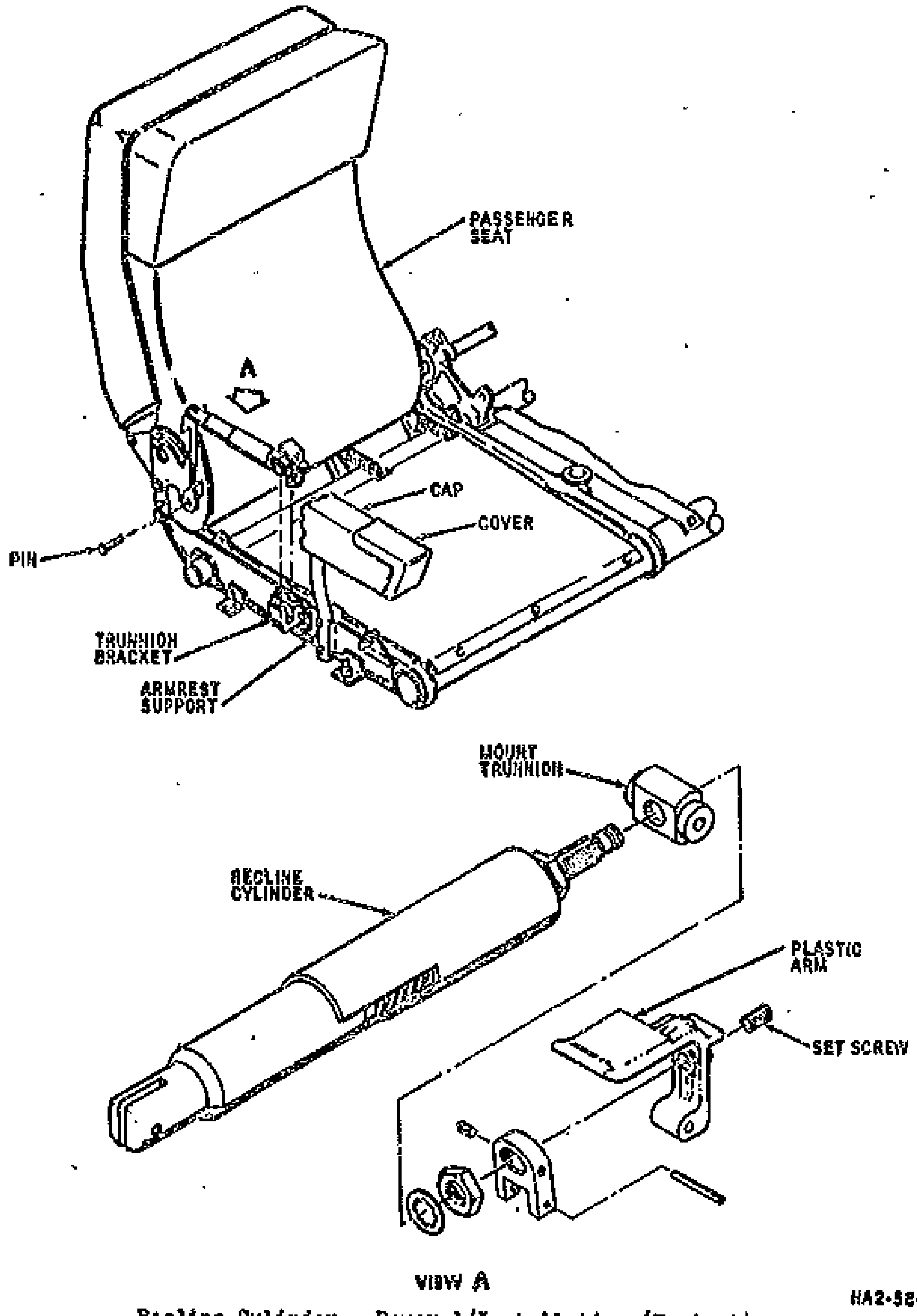
(c) Remove armrest cap.

(d) Remove screws holding armrest support cover panel.

(e) Slide armrest support panel upward and aft to remove panel.

(3) Recline seat back until hole in seat frame is aligned with screw on recline cylinder and remove screw.

(4) Remove rollpin and remove armrest frame from seat frame.



VIEW A

Recline Cylinder - Removal/Installation (Typical)
Figure 203

HA2-5249

(5) Lift recline cylinder mount trunnion from trunnion bracket and remove recline cylinder.

(6) Rest seat back against seat behind or fold forward against seat bottom.

B. Install Seat Recline Cylinder

(1) Raise seat back to an upright position.

NOTE: Support seat back while performing steps (2) through (5).

(2) Install recline cylinder, lowering mount trunnion into trunnion bracket.

(3) Align hole in aft end of recline cylinder with hole in breakover quadrant and with access hole in seat frame.

(4) Install lockwasher under bolt head and bolt aft end of cylinder to breakover quadrant.

NOTE: Care should be exercised not to tighten bolt to the extent of binding the recline cylinder.

(5) Lift and position control lever pushrod to rest on top of plastic arm.

NOTE: Depressing plastic arm slightly may be required to position pushrod.

(6) Install outer armrest to seat frame.

(7) Install center armrest and seat bottom cushion.

(8) Actuate seat back through full recline range. Check for lock in various positions and check that seat back returns to vertical position when control lever is actuated.

5. Adjustment/Test - Seat Back Breakover, Food Tray, and Recline Cylinder

A. Adjust Seat Back Breakover

(1) Adjust breakover tension by loosening or tightening bolt through recline plate and breakover quadrant until a force of 25 (±5) pounds applied to top of seat back is required to overcome seat back resistance to forward movement.

B. Adjust Food Tray

(1) Turn latch and lower food tray to serving position.

(2) Move seat back forward until adjustment bolts are exposed.

(3) Rotate adjustment bolts until desired horizontal position is obtained.

(4) Move seat back to vertical position.

C. Adjust Recline Cylinder

(1) Remove seat bottom cushion to gain access to recline cylinder.

(2) Lift recline cylinder mount trunnion from trunnion bracket and loosen lock nut.

(3) Turn mount trunnion until seat back aligns with adjacent seat in a vertical position.

NOTE: When true vertical position is obtained, recline lock settings are 23°, 39°, and 90°.

(4) Outboard seats immediately forward of an emergency overwing exit must be adjusted to prevent the seat back from reclining into the area required for emergency exit door opening.

6. Inspection/Check - Passenger Seats

A. Seat Track Looseness

NOTE: Check for looseness in track by pushing and pulling on seat bottom structure. If looseness is detected, tighten seat track mounting stud. If this does not eliminate looseness, proceed as follows:

(1) Seat with shims - Replace shim and tighten stud as required. If looseness is still present, replace stud.

(2) Seat with no shims - Replace stud.

B. There should be no play between seat attachment and seat.

PASSENGER SEATS -- MAINTENANCE PRACTICES

1. General

A. The removal and installation procedures for all passenger seat assemblies are similiar, except as noted. Two men are required to remove and install a seat assembly which consists of two or three seats.

2. Removal/Installation - Passenger Seats

A. Remove Passenger Seat Assembly (DC-8/8F-50)

(1) Remove utility shroud and release locking devices on utility plug located on underside of utility duct.

(2) Disconnect plug from receptacle.

(3) Stow utility plug in receptacle located on outboard upper edge of seat and lock it in place.

(4) Release two latches that attach seat assembly to sidewall seat track by pressing down latch levers.

NOTE: The aft latch assembly is covered by a fairing that must be lifted to gain access to the lever.

(5) Release seat assembly from floor seat track by lifting two levers located outboard at bottom of covered leg assembly.

(6) Pull covered leg assembly inboard and lift seat assembly up to disengage holddown bracket from track.

(7) Stow covered leg assembly by pushing it inboard and up against seat bottom. Support seat assembly.

NOTE: On a first class double seat assembly, the covered leg assembly folds outboard in stowage position.

(8) Lift seat assembly off sidewall track.

B. Install Passenger Seat Assembly (DC-8/8F-50)

(1) Hang hooks of two latch assemblies over sidewall seat track.

(2) Pull down covered leg assembly and insert two holddown brackets in floor track.

(3) Move outboard end of seat assembly back and forth along sidewall track until aft latch snaps into one of the notches in track. Pull up aft lever to lock it. Pull up forward lever.

(4) Snap down aft handle on covered leg assembly.

CAUTION: DO NOT PRESS DOWN THE HANDLE. EXCESS PRESSURE WILL BREAK THE HANDLE.

(5) Slide inboard end of seat assembly back and forth until metering pin falls into one of the metering holes in seat track and handle is held down and flush with leg.

(6) Press down inboard forward handle.

(7) Unlock utility plug from outboard upper edge of seat.

(8) Open door to receptacle on underside of utility duct. Align utility plug with receptacle, and insert plug.

(9) Lock plug in place and replace utility shroud.

C. Remove Passenger Seats (DC-8-60)

(1) Fold seat backs forward and down against seat bottoms.

(2) Unlock seat track lock on each rear leg (see Figure 201, view A).

(3) Push seat fore or aft about 1/2 inch to free seat retaining studs from seat tracks.

(4) Lift seat from seat tracks and relocate seat, or remove as necessary.

D. Install Passenger Seats (DC-8-60)

(1) Fold seat backs forward and down against seat bottoms.

(2) Place seat assembly over seat tracks at desired location and guide seat retaining studs into seat track openings. Ensure seat assembly is positioned squarely across seat track axis.

(3) Position utility box panels in relation to seat rows with front edge of door approximately 1/2 inch forward of front edge of seat bottom (See 25-25-0)

(4) Lock seat track lock on rear legs (see Figure 201, view A).

(5) Raise seat back to normal upright position.

3. Removal/Installation - Seat Belt (DC-8/8F-50)

A. Remove Seat Belt

(1) Grasp opposite ends of rod that runs through end loop in seat belt.

(2) Compress rod and remove ring at end of cable from rod.

(3) Pull rod out of loop in seat belt.

(4) Remove seat belt.

B. Install Seat Belt

(1) Position seat belt.

(2) Insert rod at end of cable in end loop of the seat belt.

(3) Position ring at end of cable to cutout in rod.

(4) Compress rod, insert ring, and release pressure on rod.

4. Adjustment/Test - Passenger Seats (DC-8/8F-50)

A. Adjust Seat Back

(1) Remove seat cushion.

(2) Remove tape from access hole below seat back control button.

(3) Push control button up permitting spring action in seat lock to force seat upright as far as possible.

(4) Loosen jamnuts on forward end of seat lock and adjust seat back to 17 1/2 degrees off vertical.

(5) Tighten jamnuts.

(6) Replace tape over access hole.

(7) Replace seat cushion.

B. Adjust Seat Locking Mechanism

(1) Remove seat cushion.

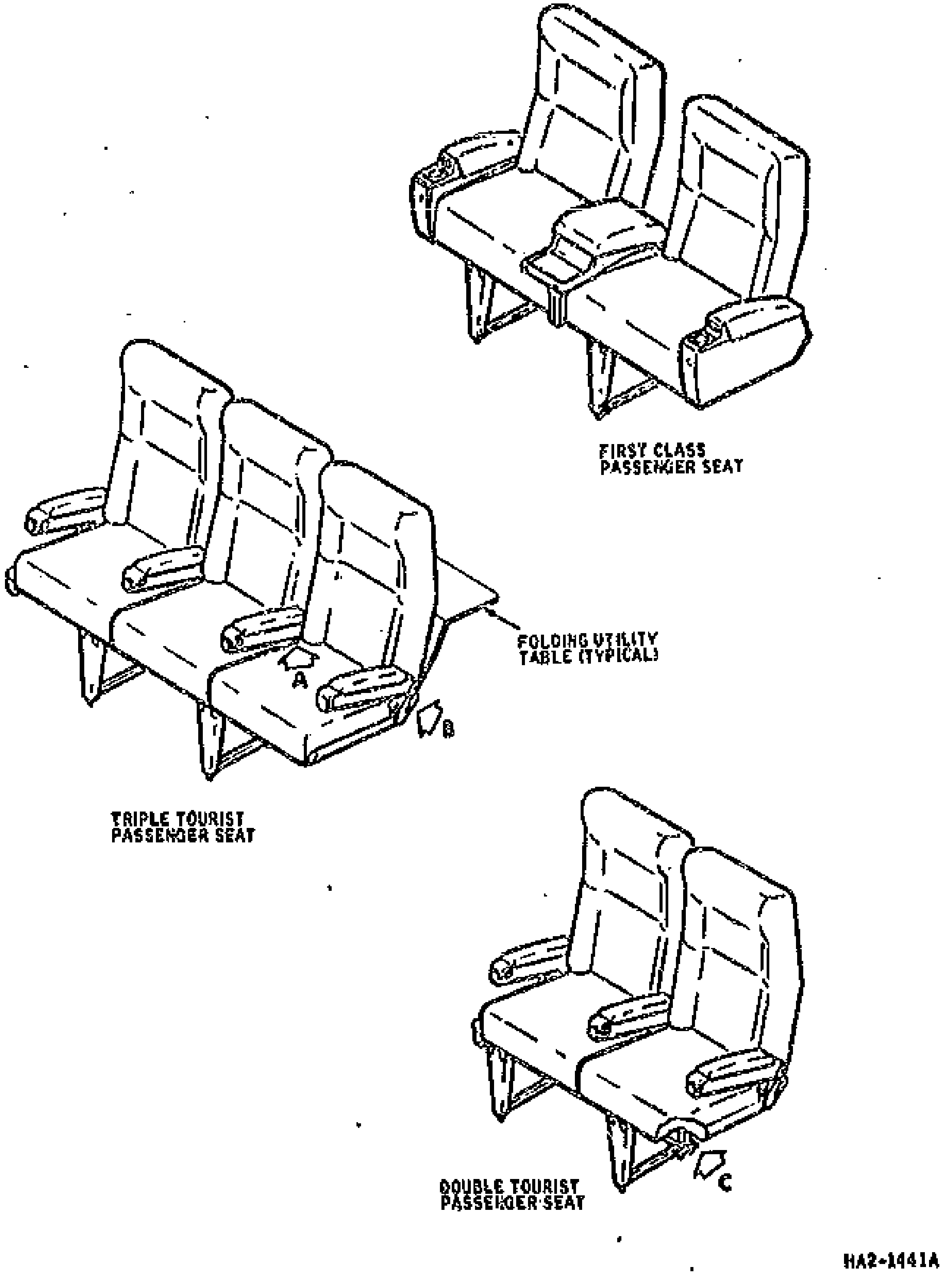
(2) Remove tape from seat lock cylinder access hole.

(3) Loosen screw in lock cylinder lever.

(4) Position release lever so that lever just contacts rocker arm.

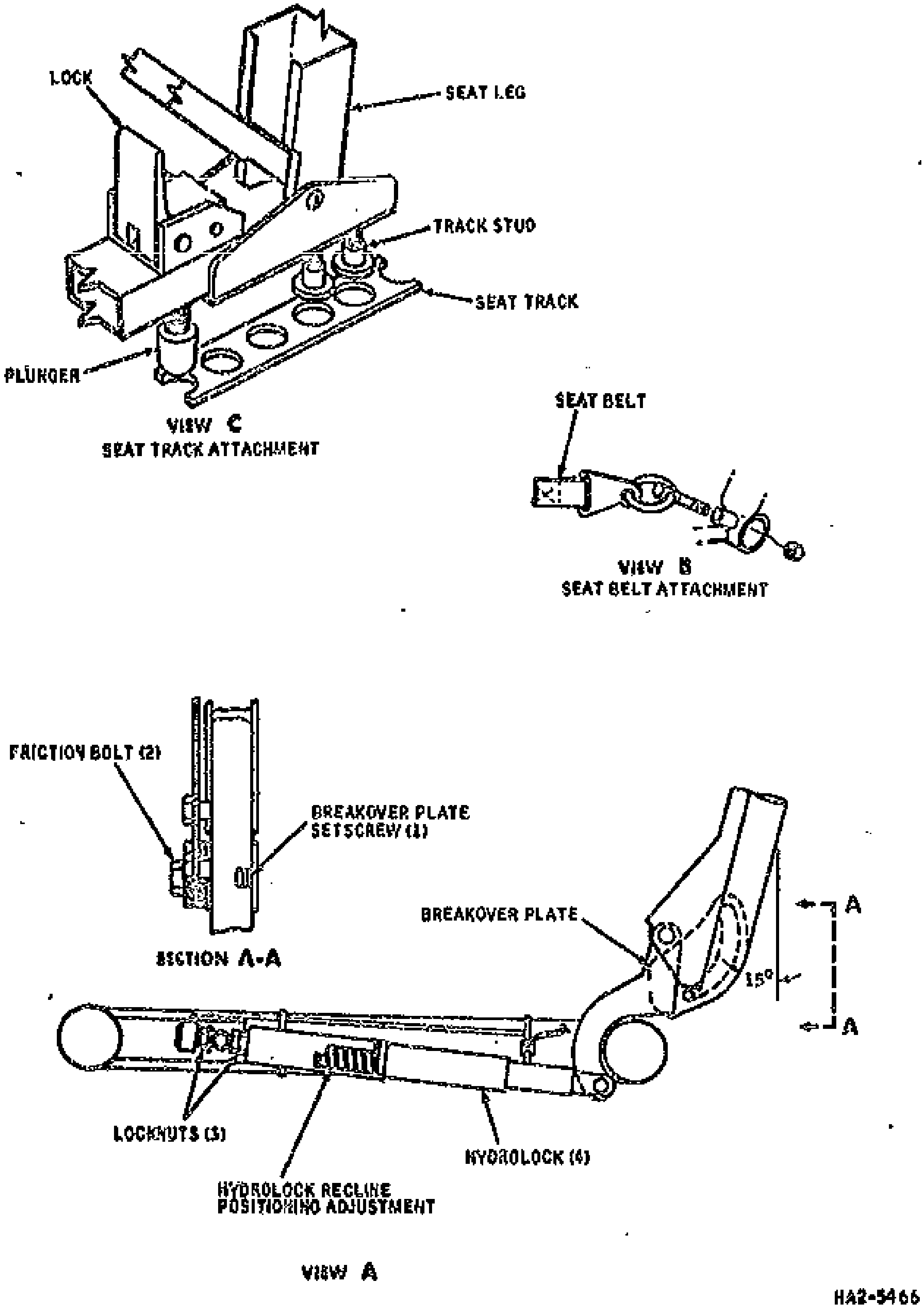
(5) Tighten locking screw on release lever.

NOTE: Make certain that the center arm rest is completely bottomed in the seat. If the seat fails to lock in position, repeat steps A through E, except the cylinder release lever should be positioned slightly above the rocker arm.



Passenger Seats -- Removal/Installation (DC-8-60)
Figure 201

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Passenger Seats -- Removal/Installation (DC-8-60)
Figure 201 (Sheet 2)

(6) Install tape over lock cylinder access hole.

(7) Install seat cushion.

C. Adjust Utility Tray

(1) Remove seat cushion.

(2) Lower and pull out tray.

(3) Loosen jamnuts on setscrews in seat structure near ends of tray support arms.

(4) Adjust setscrews until tray is level.

NOTE: Make certain that both setscrews are adjusted to support the two tray support arms.

(5) Tighten two jamnuts.

(6) Replace seat cushion.

CABIN ATTENDANTS' SEATS - DESCRIPTION AND OPERATION

1. Description

A. Three folding seats, for the cabin attendants, are provided in the passenger compartment in the DC-8-50. The aft facing double seat in the forward entrance area is located on the aft face of the left partition. The forward facing double seat in the aft entrance area is located on the forward face of the aft coatroom. A forward inboard facing single seat is attached to the seat track immediately aft of the lavatory. In the DC-8F-50 there are four folding seats for the attendants. The forward and aft double seats are the same as in the DC-8-50. The forward outboard facing single seat is attached to the seat track immediately aft of the lavatory while the aft forward facing single seat in the aft entrance area is attached to the forward galley. In the passenger/cargo configuration one of the forward double attendants' seats is attached to the aft face of the passenger/cargo divider partition. The aft attendants' seats are equipped with inertia reels and shoulder harnesses.

B. Access to the lifevests is obtained by extending the seat bottom. Four links support the seat bottom and pivot on the attaching bolts at each end. The seat is extended to the seating position by grasping the hand grip and pulling the seat bottom away from the partition to which the attendants' seat is fastened. When the seat is unoccupied, springs on the bottom links retract the seat bottom to a vertical position and hold it in this position.

CABIN ATTENDANTS' SEATS - MAINTENANCE PRACTICES

1. General

   A. Removal/installation procedures for the forward and aft cabin attendants' seats are identical.

2. Removal/Installation Cabin Attendants' Seats (See Figure 201.)

   A. Remove Cabin Attendants' Seat

      (1) Unfold seat bottom and lower to a sitting position to gain access to lower attach points.

      (2) Hold seat bottom open against spring pressure and remove the two belt assemblies by disconnecting stirrup bar fittings.

      (3) Detach lower ends of seat side frames from floor.

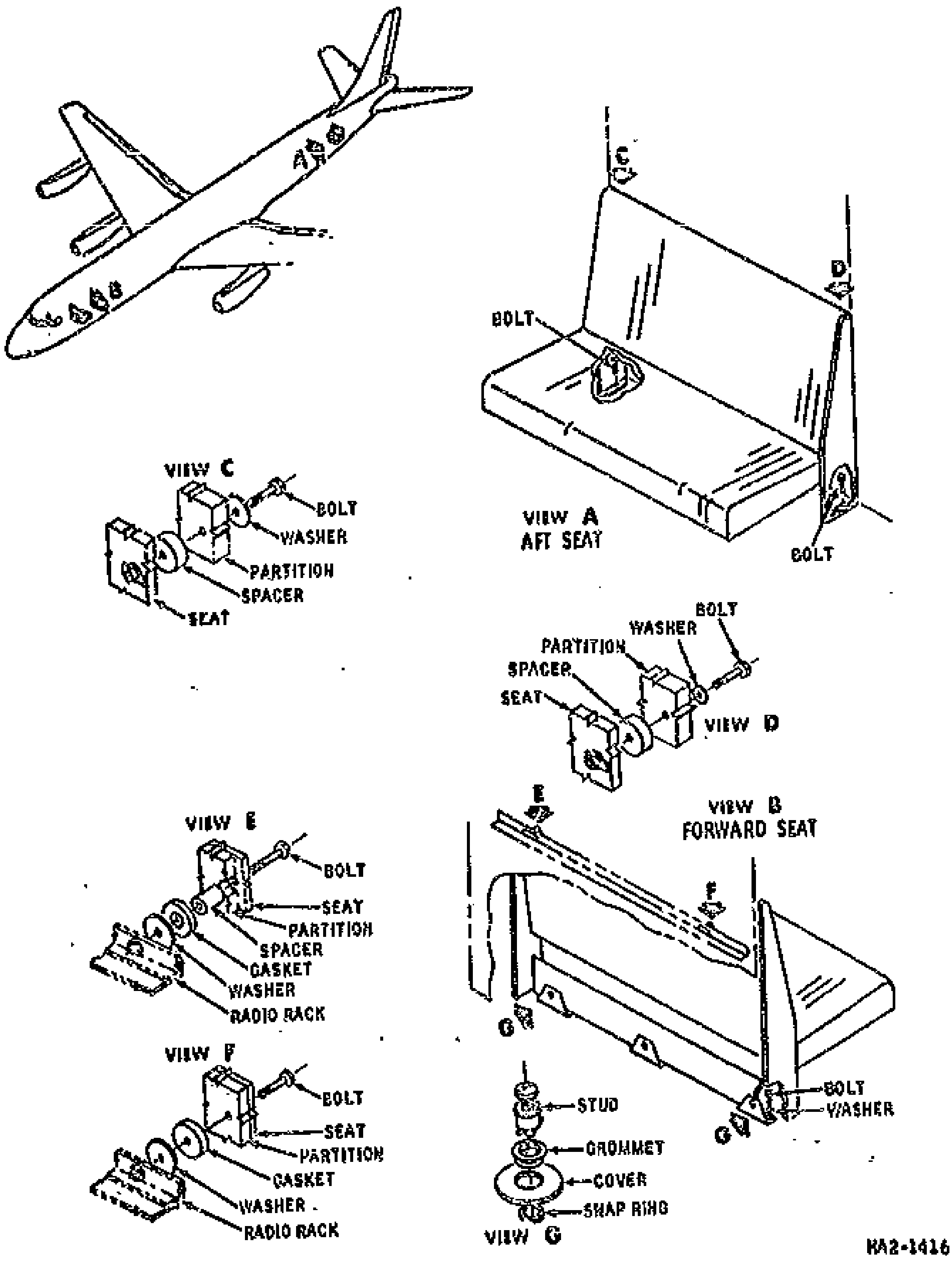
      (4) Remove seat by lifting seat off two upper attaching bolt heads through slotted holes in seat side frames.

   B. Install Cabin Attendants' Seat

      (1) Place slotted holes in seat side frames over the bolt heads on the partition and lower seat.

      (2) Unfold seat bottom and attach seat side frames to floor.

      (3) Hold seat bottom open against spring pressure and install the two seat belt assemblies by connecting stirrup bar fittings.



Cabin Attendants' Seats -- Removal/Installation
Figure 201

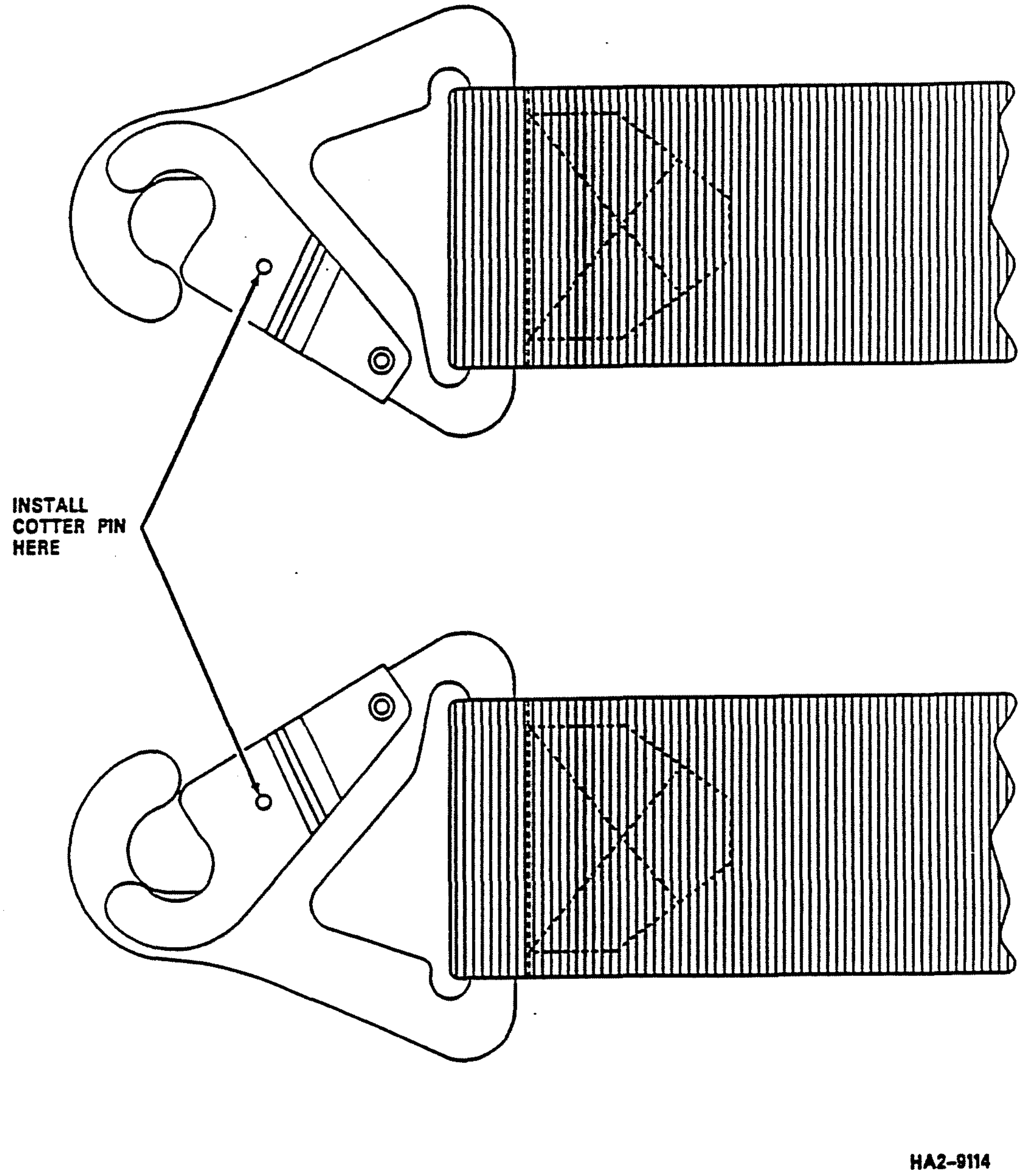
TEMPORARY REVISION 25-36

FILING INSTRUCTIONS: Insert this Temporary Revision immediately following Chapter 25-23-2, CODE 1, Page 202, Maintenance Practices.

Retain this Temporary Revision until notified to remove it.

DESCRIPTION AND REASON: This Temporary Revision adds illustration of cotter pin installation of lap belt attach snap hook.

EFFECTIVITY: UAL (46084)



Cotter Pin Installation
Figure 202

CABIN ATTENDANTS' SEAT - MAINTENANCE PRACTICES

1. General

   A. Removal/installation procedures for the forward and aft cabin attendants' seats are identical.

2. Removal/Installation - Cabin Attendants' Seats (See Figure 201.)

   A. Remove Cabin Attendants' Double Seat

      (1) Unfold seat bottom and lower to a sitting position to gain access to lower attach points.

      (2) Hold seat bottom open against spring pressure and remove seat belt assemblies by disconnecting stirrup bar fittings.

      (3) Detach seat side frames from floor.

      (4) Remove forward seat by lifting seat off upper attaching bolt heads through slotted holes in seat side frames.

      (5) Remove aft seat upper attachments from partition and remove seat.

   B. Install Cabin Attendants' Double Seat

      (1) To install forward seat, place slotted holes in seat side frames over attaching bolt heads on partition and lower seat.

      (2) Unfold seat bottom and attach seat side frames to floor.

      (3) To install aft seat, place seat against partition and install upper attachments.

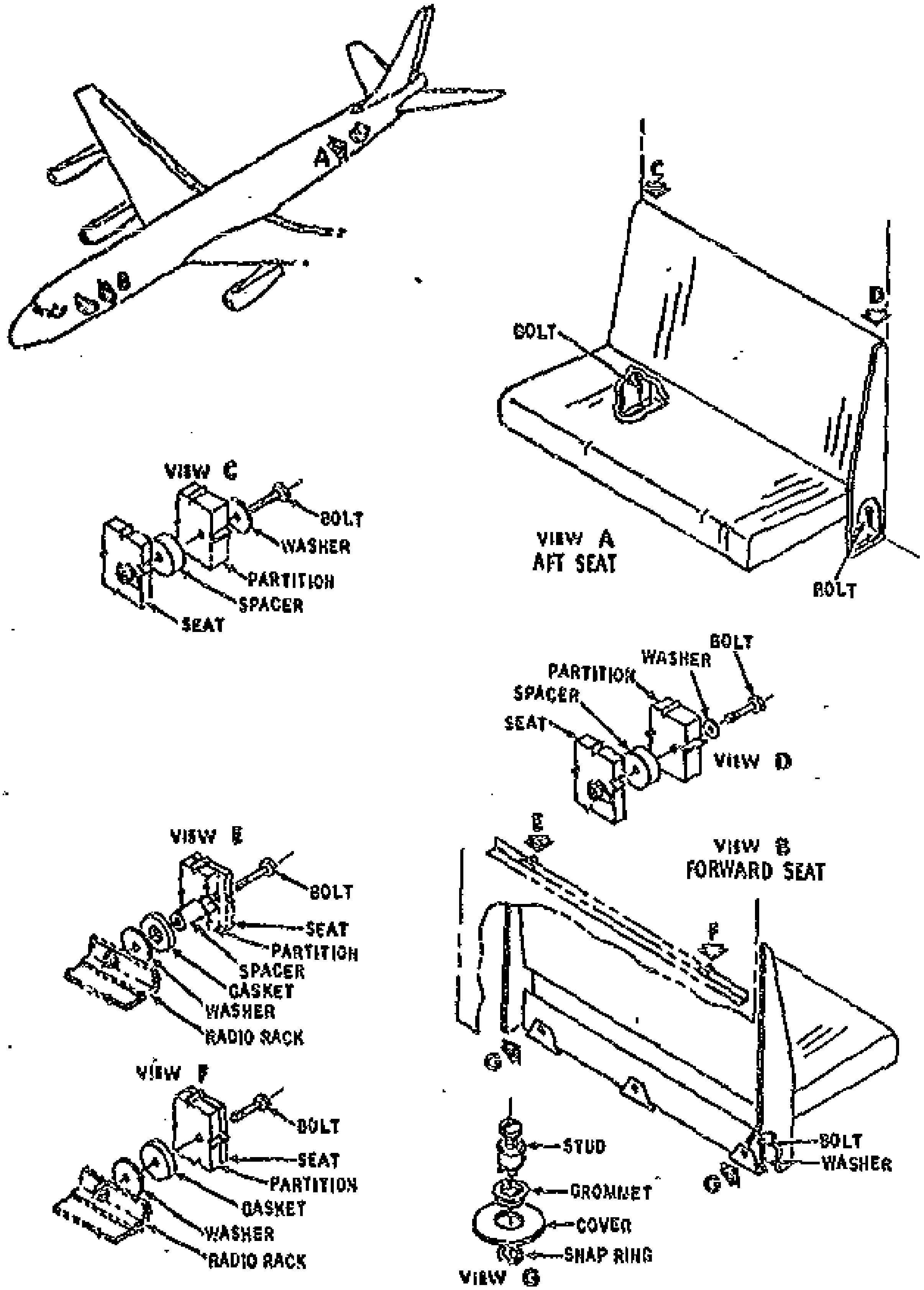
      (4) Unfold seat bottom and attach seat side frames to floor.

      (5) Hold seat bottom open against spring pressure and install seat belt assemblies.

   C. Remove Cabin Attendant Folding-back Seat

      (1) Remove bolts in outboard ends of seat legs.

      (2) Pull up locking pins on inboard ends of seat legs and remove seat from seat track.



Cabin Attendants' Seats -- Removal/Installation
Figure 201

D. Install Cabin Attendant Folding-back Seat

(1) Place seat on seat track and position locking pins over holes in track.

(2) Raise locking pins, place fittings in seat track and release pins.

NOTE: Make certain locking pins are properly located in the seat track holes.

(3) Install bolts in outboard ends of seat legs.

CABIN ATTENDANTS' SEAT INERTIA REELS - DESCRIPTION AND OPERATION

1. Description

A. One inertia reel is installed for each seat facing forward, on the aft side of the partition. The shoulder harness extends through the partition through two cutouts, immediately above the seat back.

B. A rewind spring loads the belt under an approximate tension of 1 pound at any point of extension. The spring contains a locking mechanism that permits free unwinding of the shoulder harness during slow acceleration, but automatically locks upon an acceleration of approximately 1 G.

C. No shoulder harness is provided for the attendant seat facing aft.

CABIN ATTENDANTS' SEAT INERTIA REELS - MAINTENANCE PRACTICES

1. General

A. Removal and installation procedures for all inertia reels are identical.

2. Removal/Installation Inertia Reel

A. Remove Reel

(1) Remove four mounting screws from inertia reel on aft side of partition.

NOTE: The top of the inertia reel housing mounts on a bracket and the two upper screws are held by nuts on the forward side of the bracket. The two bottom screws are held by teenuts mounted inside the partition.

(2) Pull shoulder harness out of slotted opening in coatroom partition.

B. Install Reel

(1) Place shoulder harness in slotted opening.

(2) Install four mounting screws.

DIVIDER PARTITION - DESCRIPTION AND OPERATION

1. Description

A. The divider partition is installed in the passenger compartment to separate the first-class passenger area from the tourist area. The partition can be installed at various locations in the compartment, depending on configuration requirements. The partition consists of a right panel, a left panel, a header, and a curtain installed in the partition doorway. A no-smoking and fasten-seat-belt sign is incorporated in the curtain header. Lighted emergency signs are installed on the left or right or both partitions.

B. The partition is readily movable or removable, attached to the seat tracks on the bottom, and attached at the top by ball lockpins. The header is attached on the partition panels by means of sliding pins on the outboard edges of the header.

DIVIDER PARTITION - DESCRIPTION AND OPERATION

1. Description

A. The divider partition is installed in the passenger compartment to separate the first-class passenger area from the tourist area. The partition can be installed at various locations in the compartment, depending on configuration requirements. The partition consists of a right panel, a left panel, a header, and a screen installed in the partition doorway. A no-smoking and fasten-seat-belt sign is incorporated in the screen header. A lighted emergency sign is installed in the ceiling over the aisle.

B. The partition is readily movable or removable, attached to the seat tracks on the bottom, and attached at the top by ball lockpins. The header is attached to the partition panels by means of sliding pins on the outboard edges of the header.

MOVABLE PARTITIONS - DESCRIPTION AND OPERATION

1. Description

A. The divider partition is installed in the passenger compartment to separate the first-class passenger area from the tourist area. A movable partition, incorporating racks, is installed aft of the divider partition. The partitions can be installed at various locations in the compartment, depending on configuration requirements. In addition, a passenger/cargo divider partition can also be used when a combined configuration is required. The divider and movable partitions consist of a right panel, a left panel, a curtain and curtain header, and a partition header. The passenger/cargo divider partition consists of a right panel, a left panel, and a center panel. The right panel of the passenger/cargo divider partition includes a sliding door for passage between the passenger and cargo areas. A no-smoking and fasten-seat-belt sign is incorporated in the curtain header. Lighted emergency signs are installed on the left or right or both partition panels. The passenger/cargo divider partition incorporates a no-smoking, please-fasten-seat-belts sign in the center panel. An attendants single or double seat is attached to the forward face of the center panel of the passenger/cargo divider partition.

B. All partitions are readily movable or removable. The partitions are attached at the bottom to the seat tracks and at the top by ball lockpins. The header is attached on the divider partition by means of slide pins on the outboard edges of the header. The header on the movable partition is attached in the same manner. There is no header installed on the passenger/cargo divider partition.

DIVIDER PARTITION - DESCRIPTION AND OPERATION

1. Description

A. The divider partition is installed in the passenger compartment to separate the first-class passenger area from the tourist area. The partition can be installed at various locations in the compartment, depending on configuration requirements. The partition consists of a right panel, a left panel, a header, and a curtain installed in the partition doorway. A no-smoking and fasten-seat-belt sign is incorporated in the curtain header. Lighted emergency signs are installed on the left or right or both partitions.

B. The partition is readily movable or removable, attached to the seat tracks on the bottom, and attached at the top by ball lockpins. The header is attached on the partition panels by means of sliding pins on the outboard edges of the header.

C. The passenger/cargo divider partition separates the cargo area from the passenger area and is designed for 1.5 G cargo loads. It consists of an upper and lower horizontal beam, two center panels, a left and a right side panel, and a sliding door in the left side. A forward facing light is mounted in the left side panel. Fairings fill in the gap between the side panels and the main cabin sidewalls.

D. The upper beam is I-shaped with a reinforcing cap at each inside corner. Adjustable serrated hinged fittings are bolted to each end of the beam. These fittings in turn are bolted to the upper cargo rub rails. A track is provided for the sliding door.

E. The lower beam is made from a double channelled extrusion. The two channels retain the lower ends of the center and side panels and the sliding door. Special fittings on the beam are used to lock the beam in place in the floor tracks.

F. The center panels, header, side panels, and sliding door are fabricated of aluminum honeycomb core faced with aluminum alloy sheeting. The lower ends of the panels are retained in the forward channel of the lower beam. The upper ends are fastened to the forward side of the upper beam with fasteners. The sliding door is retained in the aft channel of the lower beam and the track on the left side of the upper beam.

G. The header is attached to the upper forward face of the center and side panels by a row of pip-pins. A box on the aft face of the partition attaches to and encloses the upper beam. The box contains cold air outlets,

oxygen outlets, two stowage bins for oxygen masks, two reading lights, two call system switches, and an illuminated no smoking - please - fasten seat belts sign.

WARNING: THE PARTITION MUST BE DISASSEMBLED BEFORE MOVING PARTITION TO ANOTHER LOCATION. ANY ATTEMPT TO LOOSEN AND SLIDE THE PARTITION IN THE FLOOR TRACKS MIGHT RESULT IN INJURY TO PERSONNEL, DAMAGE TO THE PARTITION, OR DAMAGE TO THE AIRCRAFT INTERIOR AND SURROUNDING STRUCTURE.

PARTITIONS - DESCRIPTION AND OPERATION

1. Description

A. Two partitions are installed on the right side of the interior to close off the areas forward of the passenger seats to galley work and service areas. One partition is installed aft of the galley #1 service door facing aft. The other partition is installed aft of galley #5 service door, facing aft, and contains a double cabin attendent's folding-type seat equipped with seat belts and inertia-type shoulder harnesses. The seat is on the forward face of the partition.

B. Two windscreens are installed at the passenger entrance doors, one at the forward door and one at the aft door. The :reens attach to the floor seat tracks and ceiling panels and are easily removed.

C. A movable transverse partition structural provisions are provided at three stations in mid forward cabin to permit future installation of the movable partition as desired.

DIVIDER PARTITION - MAINTENANCE PRACTICES

1. Removal/Installation Divider Partition

NOTE: Removal/installation procedures for the right and left partition panels are identical.

A. Remove Divider Partition

(1) Open circuit breaker, located on the EPC circuit breaker panel, for passenger warning signs. Tag and safety circuit breaker.

(2) Disconnect electrical leads to passenger warning sign on curtain header or on partitions.

(3) Disconnect electrical connector in recess in panel upper outboard edge, and pull wire leading from stowage rack from panel.

(4) Remove curtain and curtain header.

(5) Unlock seat track attachments on each leg of partition panel by rotating locking pin to release.

(6) Open access doors on upper edge of partition panel and pull ball locking pins down to disengage pins from header holes.

(7) Lift panel from seat track and remove panel.

(8) Retract header attaching pins on outboard edge of header and remove header.

B. Install Divider Partition

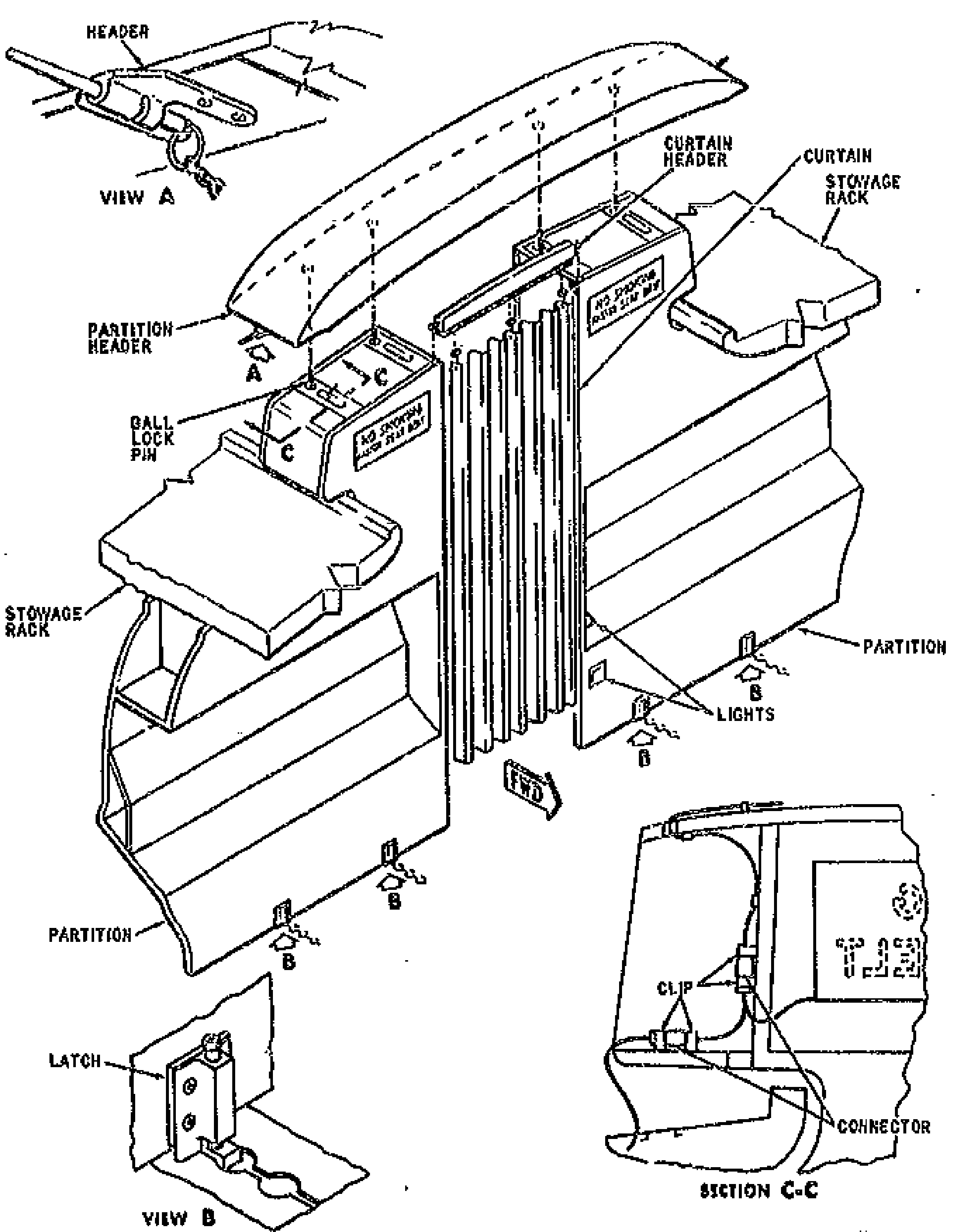
(1) Place header in installed position and insert attaching pins into mounting holes behind the cove lights at outboard edges of the header.

(2) Place panel in upright position beneath header ensuring that panel is in vertical position and that seat track attachments are inserted in seat tracks properly.

(3) Insert ball lockpins in header attachment holes.

(4) Lock seat track attachments by rotating locking pins.

(5) Insert jumper lead wire from stowage rack into hole in bottom edge of panel section over stowage rack; reach into panel from panel outer edge and connect wires and install in clips.



HA2-1415B

Divider Partition -- Removal/Installation

(6) Install curtain and curtain header,

(7) Connect electrical leads to passenger warning sign in curtain header or on partitions.

(8) Close passenger warning sign circuit breakers on EPC circuit breaker panel.

DIVIDER PARTITION - MAINTENANCE PRACTICES

1. Removal/Installation Divider Partition

NOTE: Removal/installation procedures for the right and left partition panels are identical.

A. Remove Divider Partition

(1) Open circuit breaker, located on EPC circuit breaker panel, for passenger warning signs. Tag and safety circuit breaker.

(2) Disconnect electrical connector in recess in panel upper outboard edge, and pull wire leading from stowage rack from panel.

(3) Remove screen and screen header.

(4) Loosen two stop assemblies between header and partition and loosen stop assembly between divider partition and overhead stowage racks.

(5) Unlock seat track attachments on each leg of partition panel by rotating locking pin to release.

(6) Open access doors on upper edge of partition panel and pull ball locking pins down to disengage pins from header holes.

(7) Lift panel from seat track and remove panel.

(8) Retract header attaching pins on outboard edge of header and remove header.

B. Install Divider Partition

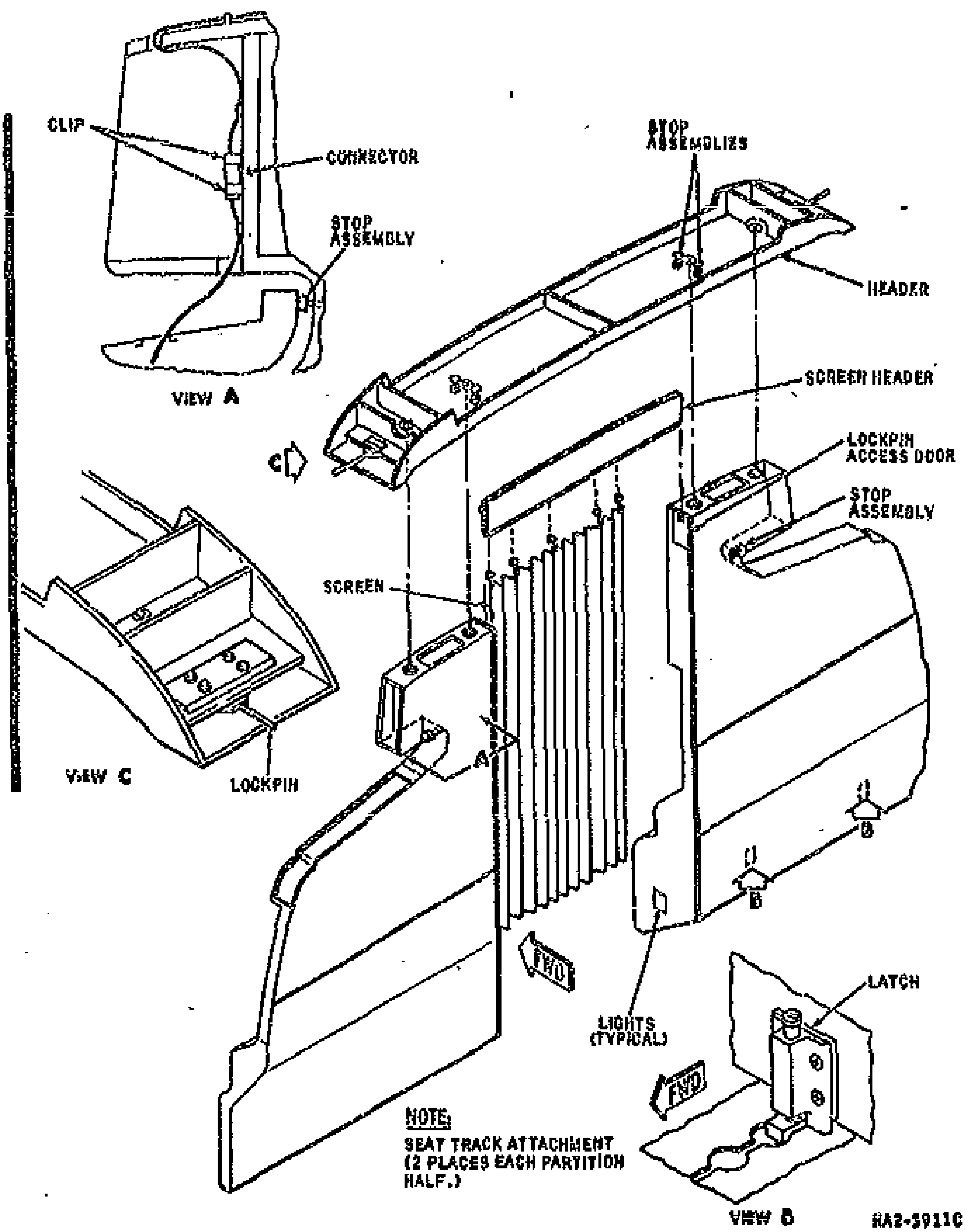
(1) Place header in installed position and insert attaching pins into mounting holes behind cove lights at outboard edges of header.

(2) Place panel in upright position beneath header ensuring that panel is in vertical position and that seat track attachments are inserted in seat tracks properly.

(3) Insert ball lockpins in header attachment holes.

(4) Lock seat track attachments by rotating locking pins.

(5) Insert jumper lead wire from stowage rack into hole in bottom edge of panel section over stowage rack; reach into panel from panel outer edge and connect wires and install in clips. Stow excess wire in the overhead rack.



Divider Partition -- Removal/Installation
Figure 201

(6) Install screen and screen header.

(7) Adjust two stop assemblies from header to contact upper surface of divider partition and stop assembly between divider partition and overhead stowage rack.

(8) Close passenger warning sign circuit breakers on EPC circuit breaker panel.

DIVIDER PARTITIONS - MAINTENANCE PRACTICES

1. General

A. The passenger/cargo divider partition consists of three panels (one panel incorporating a sliding door) joined by a support beam on the forward face of the partition. When assembling, the partition panels are placed in a channel on the floor and positioned in a vertical plane.

B. Removal/installation procedures for the right and left divider partition panels are identical.

2. Removal/Installation Divider Partition

A. Remove Divider Partition

(1) Open circuit breaker, located on the EPC circuit breaker panel, for passenger warning signs. Tag and safety circuit breaker.

(2) Disconnect electrical leads to passenger warning sign on curtain header or on partitions.

(3) Disconnect electrical connector in recess in panel upper outboard edge, and pull wire leading from stowage rack from panel.

(4) Remove curtain and curtain header.

(5) Unlock seat track attachments on each leg of partition panel by rotating locking pin to release.

(6) Open access doors on upper edge of partition panel and pull ball locking pins down to disengage pins from header holes.

(7) Lift panel from seat track and remove panel.

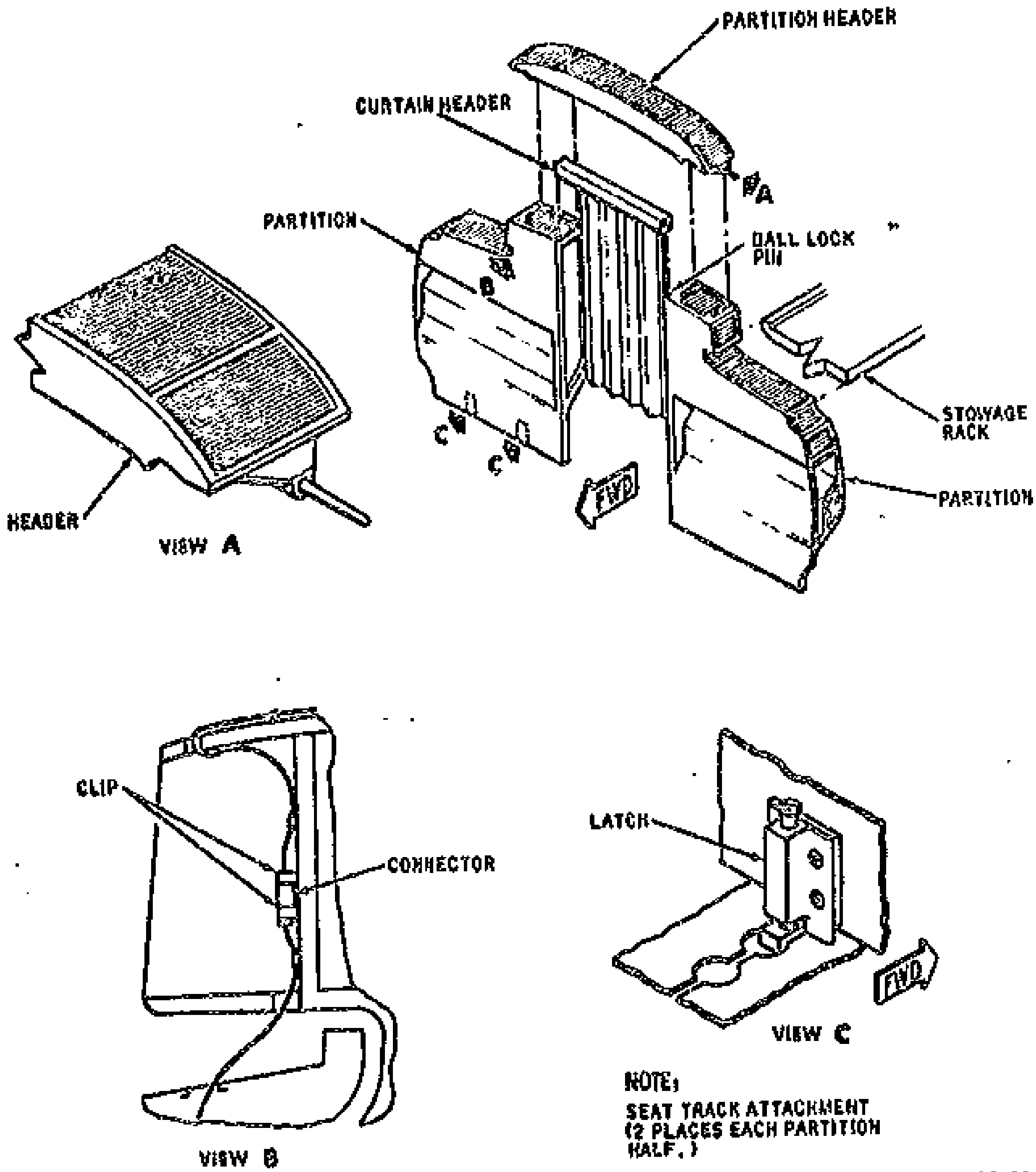
(8) Retract header attaching pins on outboard edge of header and remove header.

B. Install Divider Partition

(1) Place header in installed position and insert attaching pins into mounting holes behind the cove lights at outboard edges of the header.

(2) Place panel in upright position beneath header ensuring that panel is in vertical position and that seat track attachments are inserted in seat tracks properly.

(3) Insert ball lockpins in header attachment holes.



Divider Partition -- Removal/Installation
Figure 201

(4) Lock seat track attachments by rotating locking pins.

(5) Insert jumper lead wire from stowage rack into hole in bottom edge of panel section over stowage rack; reach into panel from panel outer edge and connect wires and install in clips.

(6) Install curtain and curtain header.

(7) Connect electrical leads to passenger warning sign in curtain header or on partitions.

(8) Close passenger warning sign circuit breakers on EPC circuit breaker panel.

3. Removal/Installation - Passenger/Cargo Divider Partition

A. Remove Passenger/Cargo Divider Partition (See Figure 201)

(1) Disconnect electrical wires.

CAUTION: MAKE CERTAIN THAT APPLICABLE CIRCUIT BREAKERS ARE OPEN, TAGGED, AND SAFETIED.

(2) Disconnect and cap oxygen lines.

(3) Disengage camloc fasteners attaching sliding door to rollers and remove door.

(4) Remove rollers from channel in support beam.

NOTE: Attach rollers to bracket on door for storage purposes.

(5) Disengage support beam from partition panels by releasing camloc fasteners.

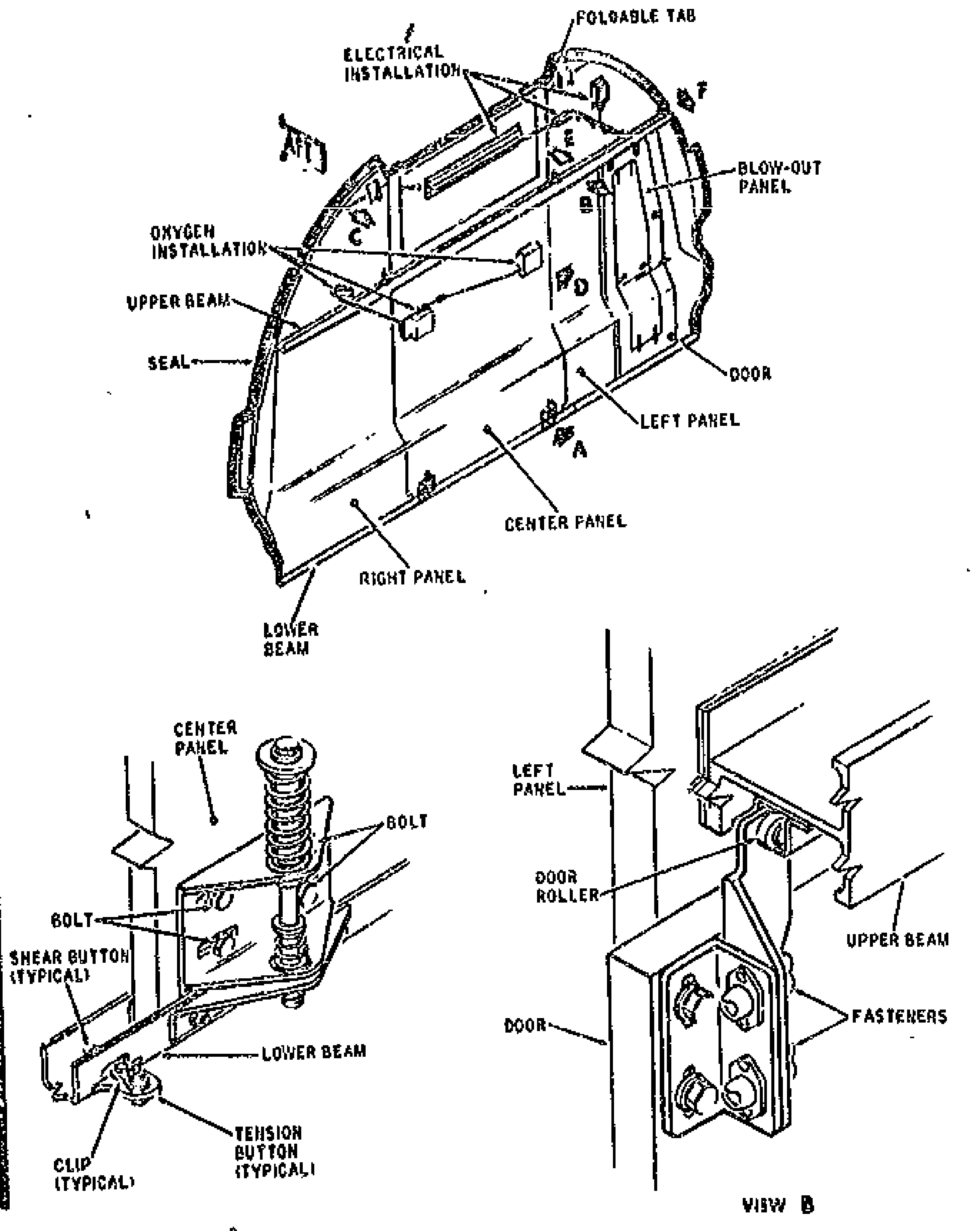
(6) Remove pins securing support beam to fuselage and carefully remove beam.

CAUTION: THE LENGTH OF THE SUPPORT BEAM AND THE WIDTH OF THE FUSELAGE ARE APPROXIMATELY THE SAME DIMENSION. EXERCISE CARE WHEN REMOVING THE BEAM TO PREVENT DAMAGE TO THE FUSELAGE SIDEWALLS.

(7) Fold down ceiling tabs at top of outboard partition panels.

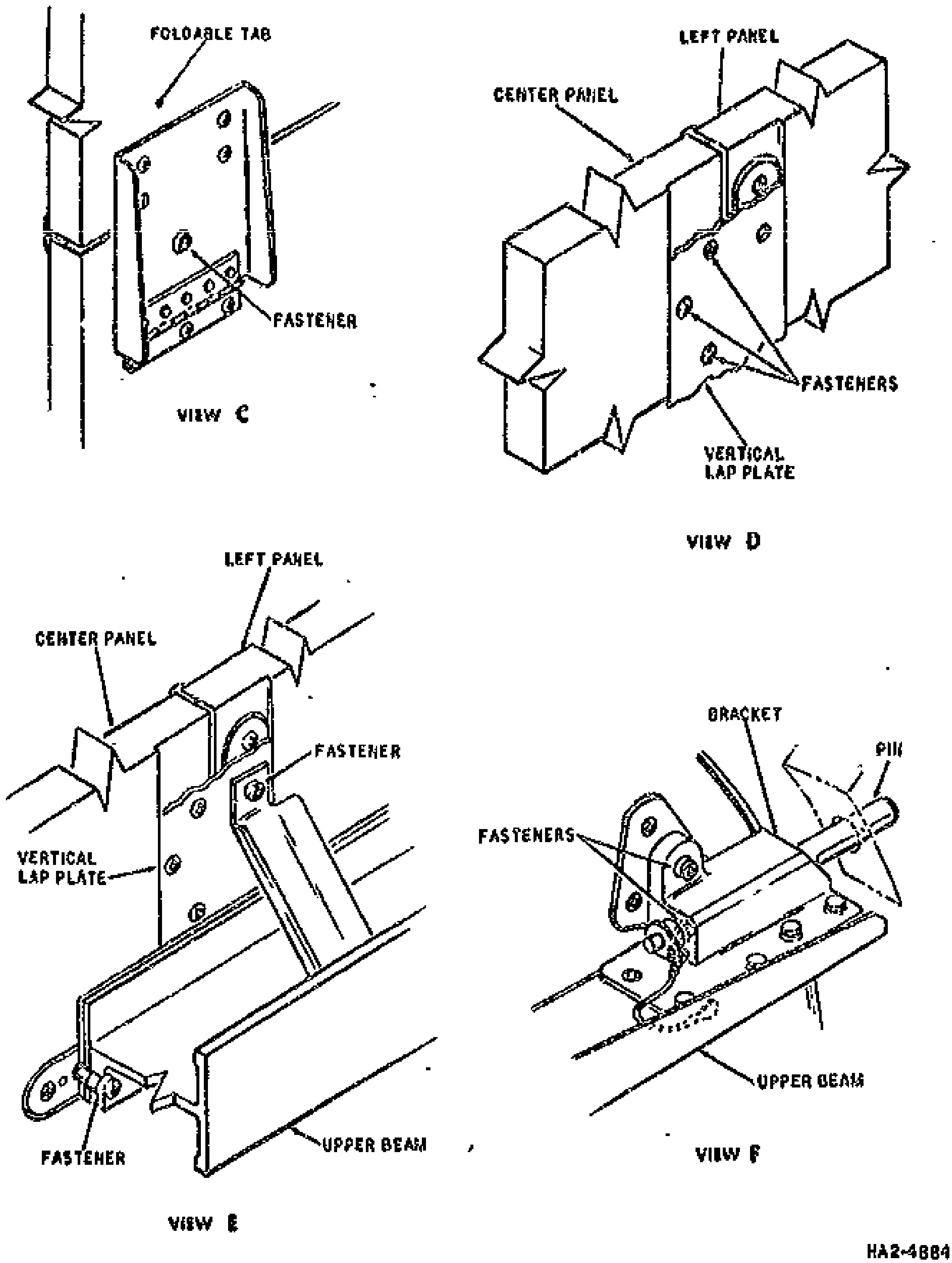
(8) Disengage vertical lap plates securing the center panel to the outboard panels and fold attendant's seat.

CAUTION: SUPPORT RIGHT AND LEFT PARTITION PANELS TO PREVENT DAMAGE TO PANELS OR AIRCRAFT SIDEWALLS.



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Passenger/Cargo Divider Partition -- Removal/Installation
Figure 201 (Sheet 1)



Passenger/Cargo Divider Partition -- Removal/Installation
Figure 201 (Sheet 2)

(9) Remove center panel floor attaching bolts from floor channel.

(10) Lift center partition panel and remove.

(11) Lift outboard partition panels and remove.

(12) Remove Floor channel as follows:

(a) Lift tension button clips from slots in floor channel and move buttons until centered in holes in seat tracks.

(b) Remove floor channel from seat tracks.

B. Install Passenger/Cargo Divider Partition (See Figure 201)

<u>NOTE</u>: Make certain that applicable circuit breakers are open, tagged, and safetied.

(1) Fasten floor channel to seat tracks as follows:

(a) Lift tension button clips from slots in floor channel so that buttons move freely.

(b) Insert shear buttons in holes in seat track.

(c) Insert tension buttons in holes in seat track and slide buttons aft until tension button clips engage in floor channel slots.

(2) Unlock camloc fasteners securing ceiling tabs at top of outboard partition panels and fold tabs down.

(3) Place outboard partition panels in floor channel and slide panels toward sidewall until positioned.

<u>CAUTION</u>: SUPPORT RIGHT AND LEFT PARTITION PANELS TO PREVENT DAMAGE TO PANELS OR AIRCRAFT SIDEWALLS.

(4) Place center partition panel in floor channel and support in vertical position.

(5) Install floor attaching bolts attaching center partition panel to floor channel.

(6) Engage vertical lap plates securing center partition panel to outboard partition panels by rotating camloc fasteners.

(7) Carefully lift support beam into position and insert pins securing beam to fuselage fittings.

CAUTION: THE LENGTH OF THE SUPPORT BEAM AND THE WIDTH OF THE FUSELAGE ARE APPROXIMATELY THE SAME DIMENSION. EXERCISE CARE WHEN INSTALLING THE BEAM TO PREVENT DAMAGE TO THE FUSELAGE SIDEWALLS.

(8) Engage all camloc fasteners securing support beam to all partition panels.

(9) Place ceiling tabs in position and engage fasteners.

(10) Check and ensure that seals on outboard partition panels are faired and positioned with edges toward cargo compartment.

(11) Place sliding door rollers into track on support beam and install roller stops.

(12) Place and support sliding door in floor channel.

(13) Engage camloc fasteners on the roller bracket to the fittings on the door.

(14) Uncap and connect oxygen lines.

(15) Connect all electrical wires.

(16) Close circuit breakers.

DIVIDER AND MOVABLE PARTITIONS - MAINTENANCE PRACTICES

1. General

A. The removal or installation of the partition panels does not require the removal of the header, however, if necessary to remove the header, both partition panels must first be removed. Removal/Installation procedures for the left and right partition panels are identical.

2. Removal/Installation Divider Partition

A. Remove Divider and Movable Partition (See Figures 201 and 202)

(1) Open circuit breaker, located on the EPC circuit breaker panel, for passenger warning signs. Tag and safety circuit breaker.

(2) Disconnect electrical connector in recess in partition upper outboard edge, and pull wire leading from stowage rack from partition.

(3) Remove curtain and curtain header.

(4) Unlock seat track attachments on each leg of partition by rotating locking pin to release.

(5) Open access doors on upper forward face of partition panel and pull ball locking pins downward to disengage pins from header holes.

(6) Lift partition from seat track and remove partition.

(7) Retract header attaching pins on outboard edge of header and remove header.

NOTE: It is not necessary to remove the header except when the interior configuration is changed or when the header is damaged.

B. Install Divider and Movable Partitions (See Figures 201 and 202)

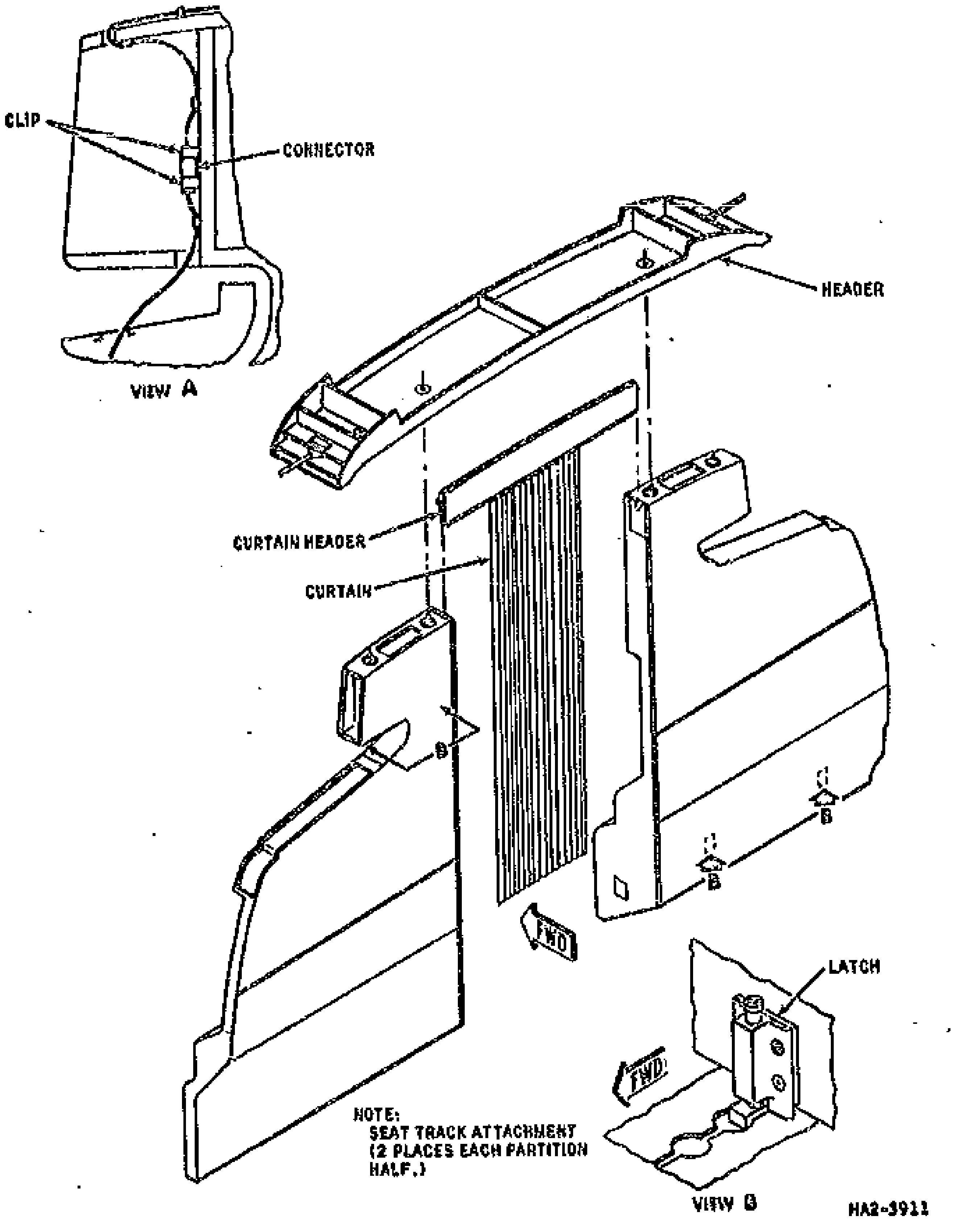
(1) Place header in installed position and insert attaching pins into mounting holes behind the cove lights at outboard edges of the header.

NOTE: This step is omitted if the header has not been removed.

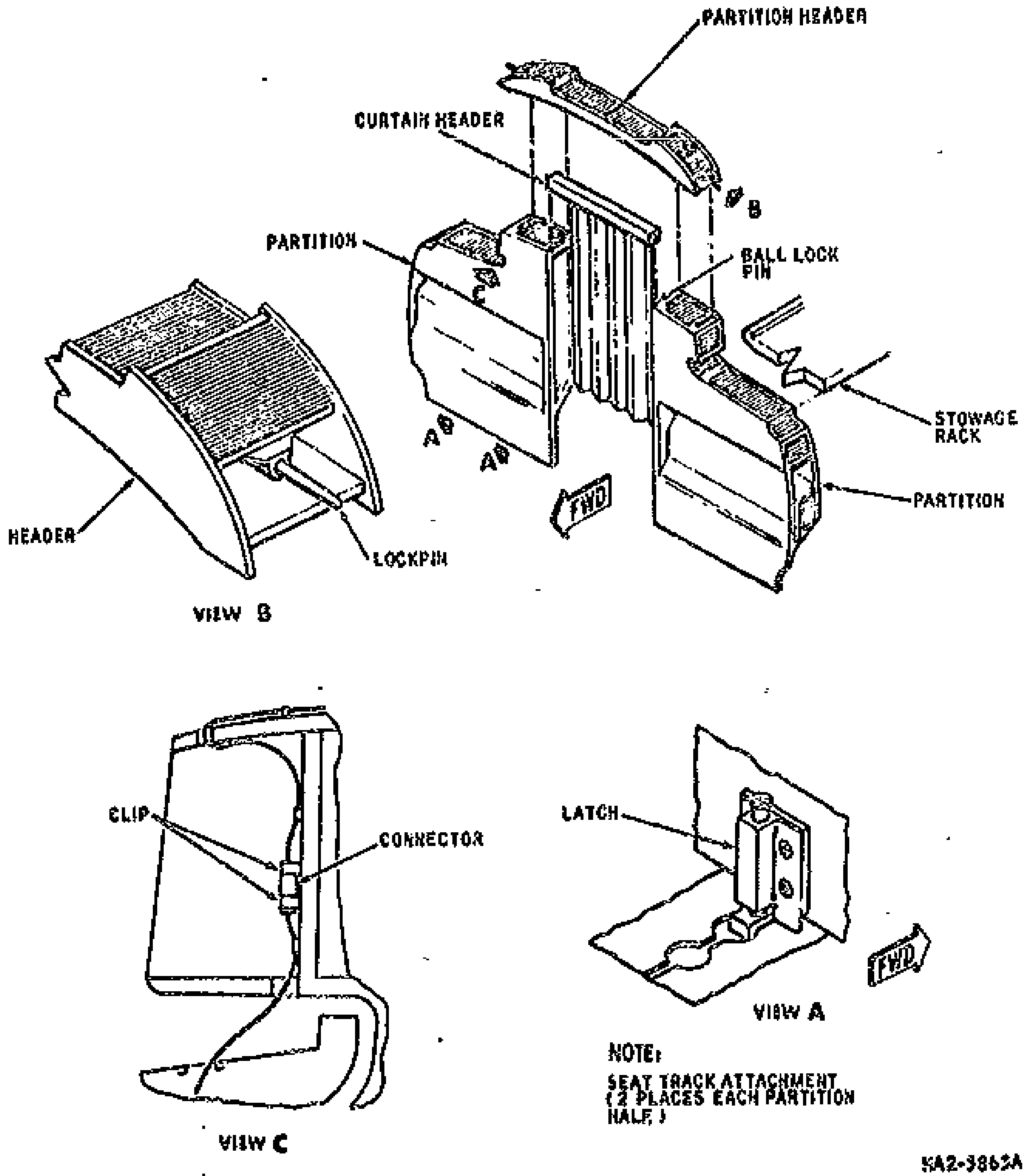
(2) Place partition panel in upright position beneath header ensuring that panel is in vertical position and that seat track attachments are inserted in seat track properly.

(3) Insert ball lockpins in header attachment holes.

(4) Lock seat track attachments by rotating locking pins.



Divider Partition -- Removal/Installation
Figure 201



Movable Partition -- Removal/Installation
Figure 202

(5) Insert jumper lead wire from stowage rack into hole in bottom edge of panel section over stowage rack; reach into panel from panel outer edge and connect wires and install in clips.

(6) Install curtain and curtain header.

(7) Connect electrical leads to passenger warning sign in curtain header or on partitions.

(8) Close passenger warning sign circuit breaker on EPC circuit breaker panel.

C. Remove Passenger/Cargo Divider Partition (See Figure 203)

NOTE: The passenger/cargo divider partition consists of three panels joined by a support beam on the forward face of the partition. When assembling, the partition panels are placed in a channel on the floor and positioned in a vertical plane.

(1) Disconnect electrical wires.

CAUTION: MAKE CERTAIN THAT APPLICABLE CIRCUIT BREAKERS ARE OPEN, TAGGED, AND SAFETIED.

(2) Disconnect and cap oxygen lines.

(3) Disengage camloc fasteners attaching sliding door to rollers and remove door.

(4) Remove rollers from channel in support beam.

NOTE: Attach rollers to bracket on door for storage purposes.

(5) Disengage support beam from partition panels by releasing camloc fasteners.

(6) Remove pins securing support beam to fuselage and carefully remove beam.

CAUTION: THE LENGTH OF THE SUPPORT BEAM AND THE WIDTH OF THE FUSELAGE ARE APPROXIMATELY THE SAME DIMENSION. EXERCISE CARE WHEN REMOVING THE BEAM TO PREVENT DAMAGE TO THE FUSELAGE SIDEWALLS.

(7) Fold down ceiling tabs at top of outboard partition panels.

(8) Disengage vertical lap plates securing the center panel to the outboard panels and fold attendant's seat.

CAUTION: SUPPORT RIGHT AND LEFT PARTITION PANELS TO PREVENT DAMAGE TO PANELS OR AIRCRAFT SIDEWALLS.

(9) Remove center panel floor attaching bolts from floor channel.

(10) Lift center partition panel and remove.

(11) Lift outboard partition panels and remove.

(12) Remove Floor channel as follows:

(a) Lift tension button clips from slots in floor channel and move buttons until centered in holes in seat tracks.

(b) Remove floor channel from seat tracks.

D. Install Passenger/Cargo Divider Partition (See Figure 201)

NOTE: Make certain that applicable circuit breakers are open, tagged, and safetied.

(1) Fasten floor channel to seat tracks as follows:

(a) Lift tension button clips from slots in floor channel so that buttons move freely.

(b) Insert shear buttons in holes in seat track.

(c) Insert tension buttons in holes in seat track and slide buttons aft until tension button clips engage in floor channel slots.

(2) Unlock camloc fasteners securing ceiling tabs at top of outboard partition panels and fold tabs down.

(3) Place outboard partition panels in floor channel and slide panels toward sidewall until positioned.

CAUTION: SUPPORT RIGHT AND LEFT PARTITION PANELS TO PREVENT DAMAGE TO PANELS OR AIRCRAFT SIDEWALLS.

(4) Place center partition panel in floor channel and support in vertical position.

(5) Install floor attaching bolts attaching center partition panel to floor channel.

(6) Engage vertical lap plates securing center partition panel to outboard partition panels by rotating camloc fasteners.

(7) Carefully lift support beam into position and insert pins securing beam to fuselage fittings.

CAUTION: THE LENGTH OF THE SUPPORT BEAM AND THE WIDTH OF THE FUSELAGE ARE APPROXIMATELY THE SAME DIMENSION. EXERCISE CARE WHEN INSTALLING THE BEAM TO PREVENT DAMAGE TO THE FUSELAGE SIDEWALLS.

(8) Engage all camloc fasteners securing support beam to all partition panels.

(9) Place ceiling tabs in position and engage fasteners.

(10) Check and ensure that seals on outboard partition panels are faired and positioned with edges toward cargo compartment.

(11) Place sliding door rollers into track on support beam and install roller stops.

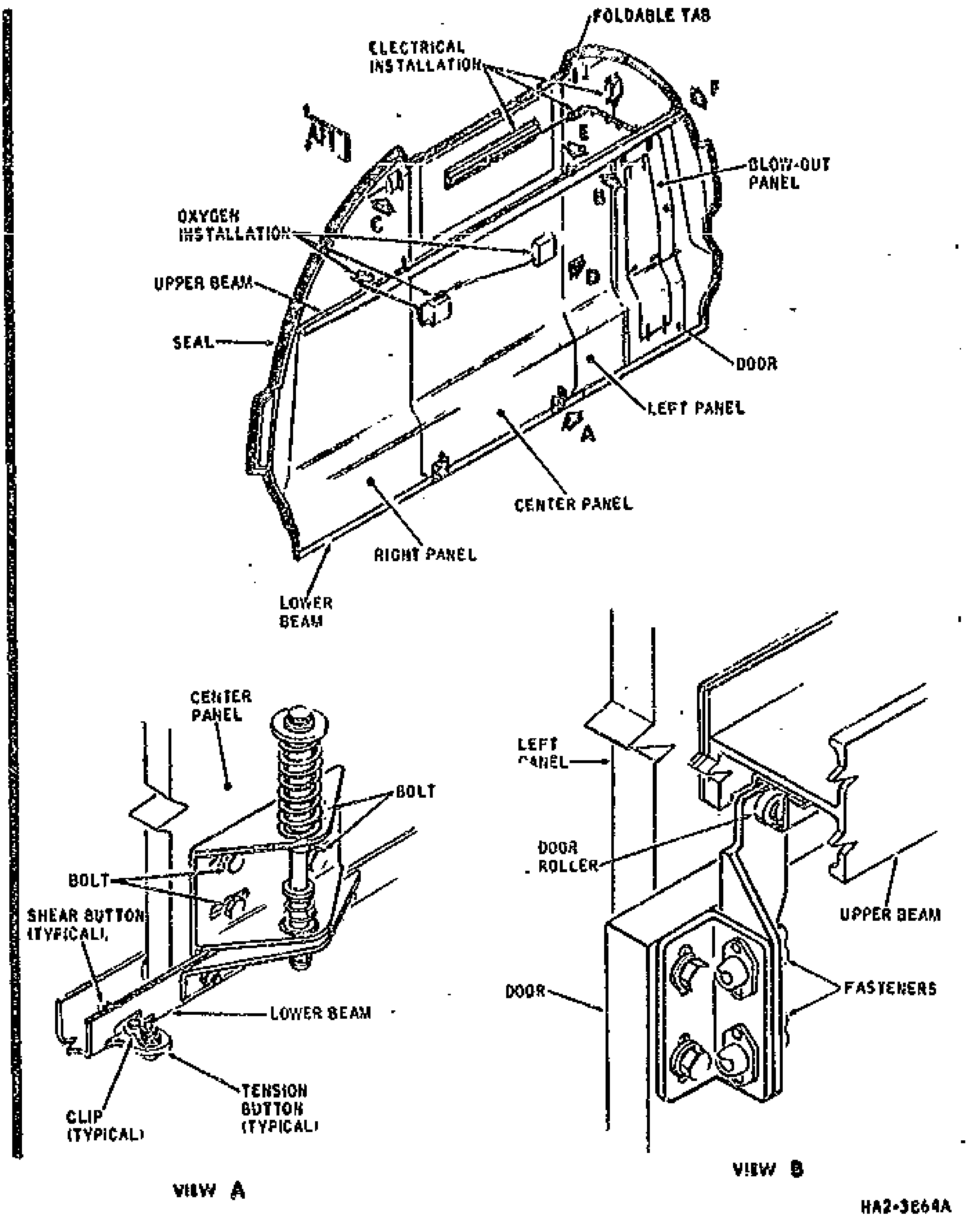
(12) Place and support sliding door in floor channel.

(13) Engage camloc fasteners on the roller bracket to the fittings on the door.

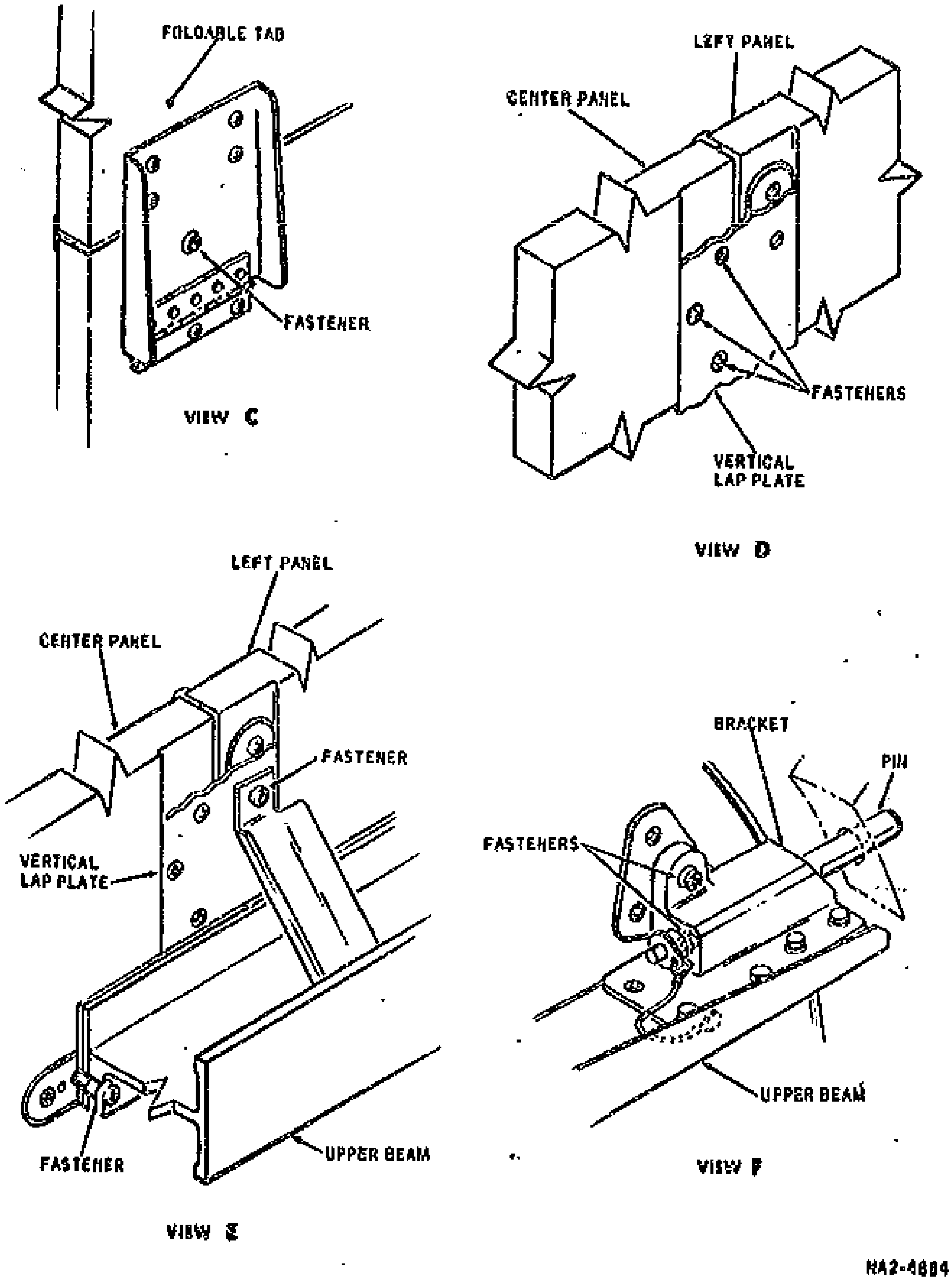
(14) Uncap and connect oxygen lines.

(15) Connect all electrical wires.

(16) Close circuit breakers.



Passenger/Cargo Divider Partition -- Removal/Installation
Figure 203 (Sheet 1)



Passenger/Cargo Divider Partition -- Removal/Installation
Figure 203 (Sheet 2)

PASSENGER/CARGO DIVIDER PARTITION - MAINTENANCE PRACTICES

1. General

   A. The passenger/cargo divider partition consists of three panels (one panel incorporating a sliding door) joined by a support beam on the forward face of the partition. When assembling, the partition panels are placed in a channel on the floor and positioned in a vertical plane.

2. Removal/Installation - Passenger/Cargo Divider Partition

   A. Remove Passenger/Cargo Divider Partition (See Figure 201)

      (1) Disconnect electrical wires.

      CAUTION: MAKE CERTAIN THAT APPLICABLE CIRCUIT BREAKERS ARE OPEN, TAGGED, AND SAFETIED.

      (2) Disconnect and cap oxygen lines.

      (3) Disengage camloc fasteners attaching sliding door to rollers and remove door.

      (4) Remove rollers from channel in support beam.

      NOTE: Attach rollers to bracket on door for storage purposes.

      (5) Disengage support beam from partition panels by releasing camloc fasteners.

      (6) Remove pins securing support beam to fuselage and carefully remove beam.

      CAUTION: THE LENGTH OF THE SUPPORT BEAM AND THE WIDTH OF THE FUSELAGE ARE APPROXIMATELY THE SAME DIMENSION. EXERCISE CARE WHEN REMOVING THE BEAM TO PREVENT DAMAGE TO THE FUSELAGE SIDEWALLS.

      (7) Fold down ceiling tabs at top of outboard partition panels.

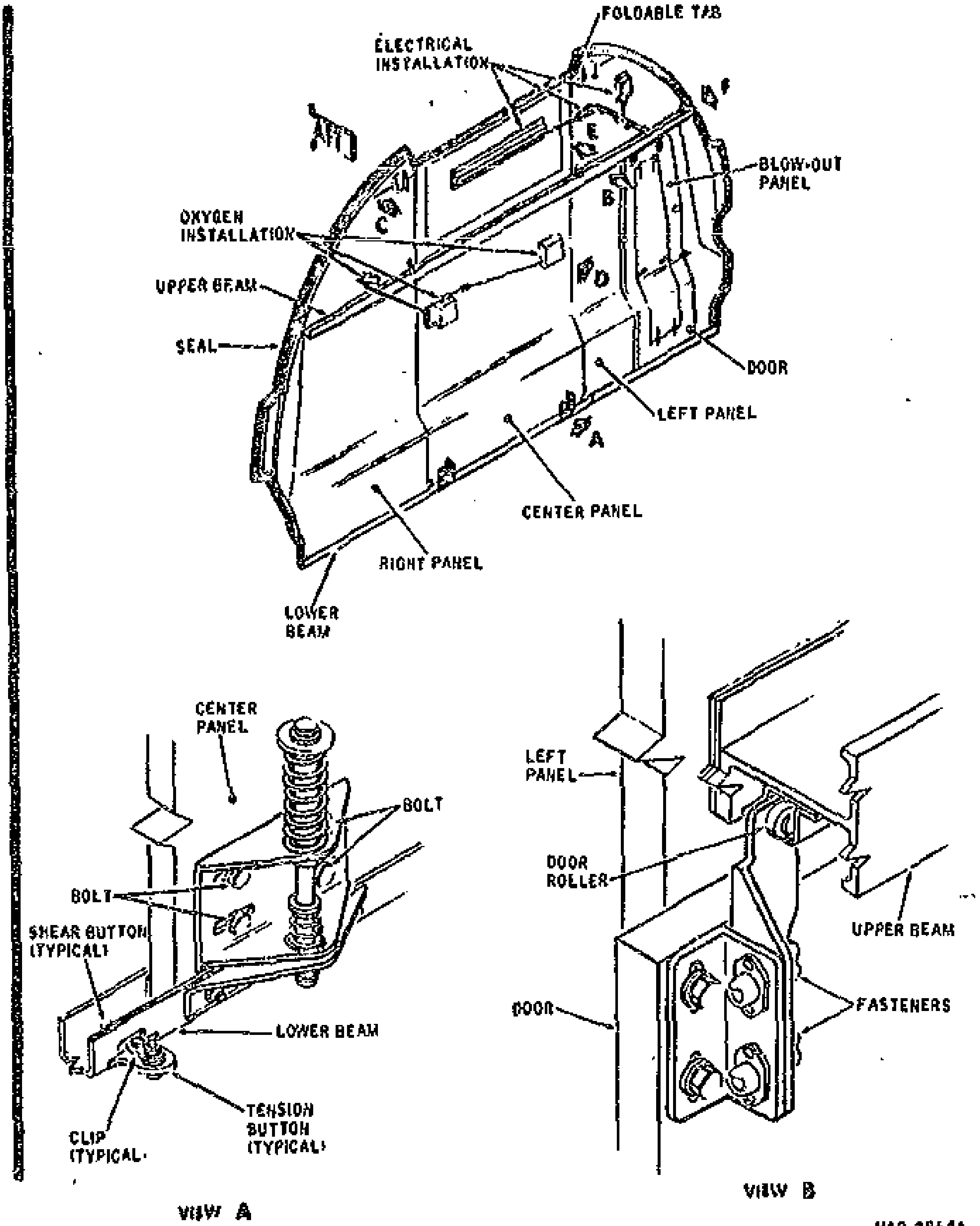
      (8) Disengage vertical lap plates securing the center panel to the outboard panels and fold attendant's seat.

      CAUTION: SUPPORT RIGHT AND LEFT PARTITION PANELS TO PREVENT DAMAGE TO PANELS OR AIRCRAFT SIDEWALLS.

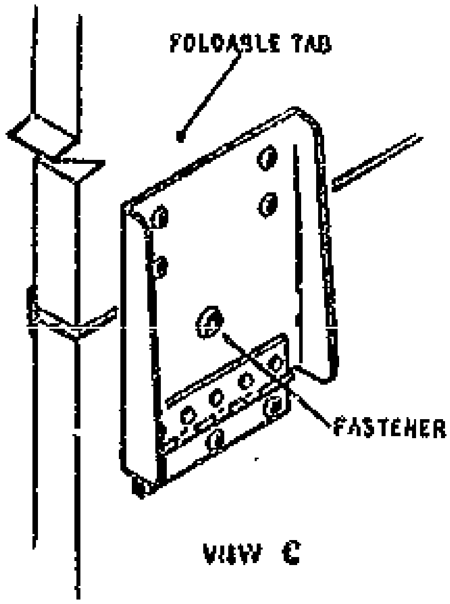
      (9) Remove center panel floor attaching bolts from floor channel.

      (10) Lift center partition panel and remove.

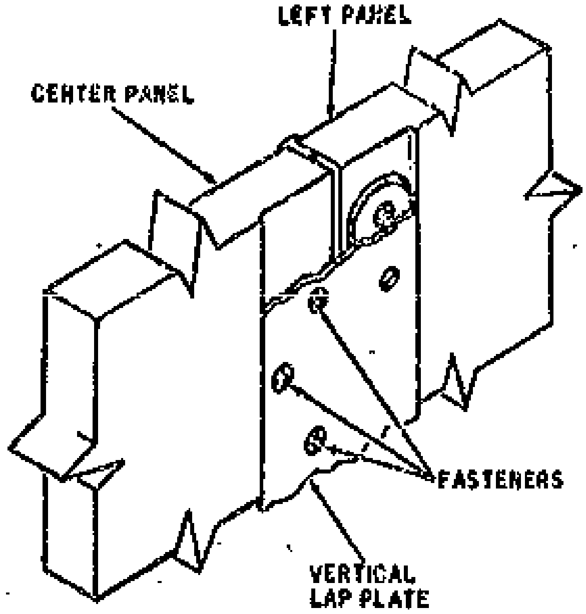
      (11) Lift outboard partition panels and remove.



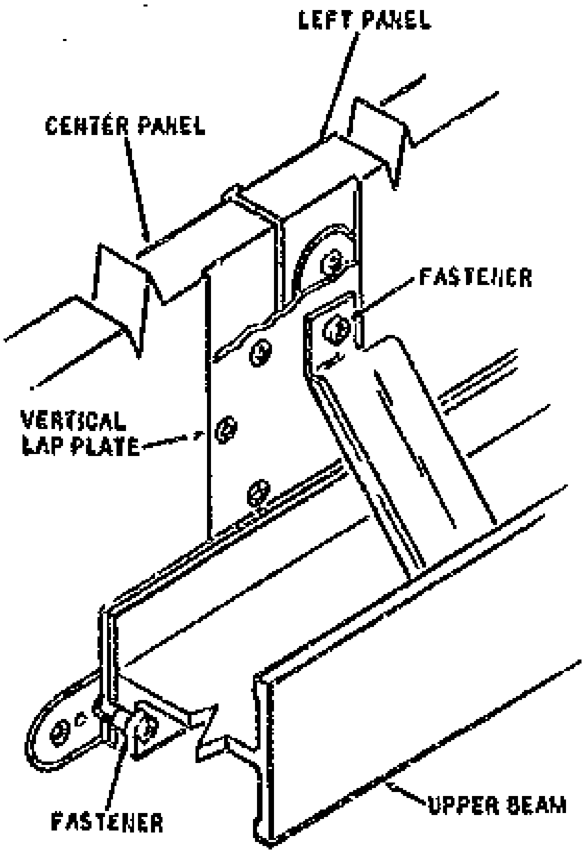
Passenger/Cargo Divider Partition -- Removal/Installation
Figure 201 (Sheet 1)



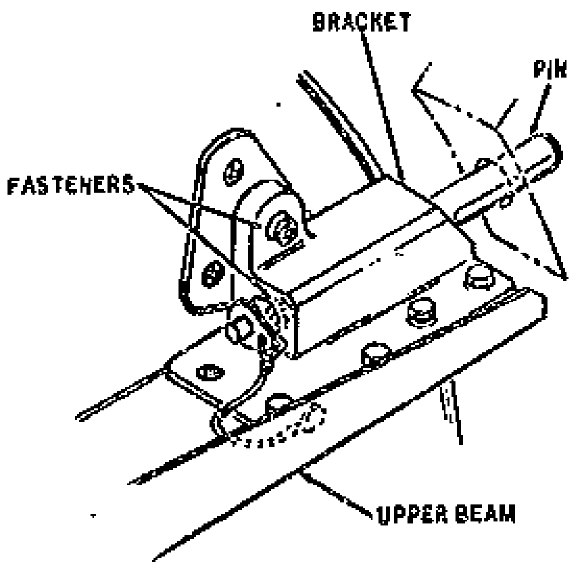
VIEW C



VIEW D



VIEW E



VIEW F

HA2-4884

Passenger/Cargo Divider Partition -- Removal/Installation
Figure 201 (Sheet 2)

(12) Remove Floor channel as follows:

(a) Lift tension button clips from slots in floor channel and move buttons until centered in holes in seat tracks.

(b) Remove floor channel from seat tracks.

B. Install Passenger/Cargo Divider Partition (See Figure 201)

NOTE: Make certain that applicable circuit breakers are open, tagged, and safetied.

(1) Fasten floor channel to seat tracks as follows:

(a) Lift tension button clips from slots in floor channel so that buttons move freely.

(b) Insert shear buttons in holes in seat track.

(c) Insert tension buttons in holes in seat track and slide buttons aft until tension button clips engage in floor channel slots.

(2) Unlock camloc fasteners securing ceiling tabs at top of outboard partition panels and fold tabs down.

(3) Place outboard partition panels in floor channel and slide panels toward sidewall until positioned.

CAUTION: SUPPORT RIGHT AND LEFT PARTITION PANELS TO PREVENT DAMAGE TO PANELS OR AIRCRAFT SIDEWALLS.

(4) Place center partition panel in floor channel and support in vertical position.

(5) Install floor attaching bolts attaching center partition panel to floor channel.

(6) Engage vertical lap plates securing center partition panel to outboard partition panels by rotating camloc fasteners.

(7) Carefully lift support beam into position and insert pins securing beam to fuselage fittings.

CAUTION: THE LENGTH OF THE SUPPORT BEAM AND THE WIDTH OF THE FUSELAGE ARE APPROXIMATELY THE SAME DIMENSION. EXERCISE CARE WHEN INSTALLING THE BEAM TO PREVENT DAMAGE TO THE FUSELAGE SIDEWALLS.

(8) Engage all camloc fasteners securing support beam to all partition panels.

(9) Place ceiling tabs in position and engage fasteners.

(10) Check and ensure that seals on outboard partition panels are faired and positioned with edges toward cargo compartment.

(11) Place sliding door rollers into track on support beam and install roller stops.

(12) Place and support sliding door in floor channel.

(13) Engage camloc fasteners on the roller bracket to the fittings on the door.

(14) Uncap and connect oxygen lines.

(15) Connect all electrical wires.

(16) Close circuit breakers.

DIVIDER PARTITIONS - MAINTENANCE PRACTICES

1. General

A. The DC-8/8F-50 utilizes two types of partitions, a class divider partition and a passenger/cargo divider partition. The DC-8-60 has only the class divider partition. Two men are required to remove and install the partitions. Removal and installation procedures are similar.

2. Tools and Equipment Required

A. A large right angle (90 degrees) made of wood or other suitable material.

3. Removal/Installation Partitions

A. Remove Class Divider Partition (DC-8/8F-50)

(1) Open passenger warning signs and annunciator circuit breakers located on dc bus section of the circuit breaker panel in flight compartment.

WARNING: TAG AND SAFETY CIRCUIT BREAKERS (SEE CHAPTER 20).

(2) Disconnect combination electrical, oxygen, and cold air connector from utility duct.

(3) Cap connections on partition combination connector.

(4) Remove stowage rack filler panel as follows:

(a) Loosen two wingnuts.

(b) Disconnect strap from bracket.

(c) Remove filler panel.

(5) If passenger warning sign is installed in header, disconnect and cap electrical connector located near partition-to-header attach pins.

(6) Remove two attach pins from partition-to-header attach points.

(7) Disengage partition attach bracket from seat sidewall track by moving lever arm at bottom of bracket down and outboard.

(8) Pull out knob that retains partition-to-floor attach pin and then move it up to disengage partition from floor seat track.

(9) Move bottom of partition inboard until partition is free of header, and then remove partition.

CAUTION: BE CAREFUL WHEN REMOVING THE PARTITION TO AVOID SCRAPING STOWAGE RACK RAIL AND UTILITY DUCT.

(10) Remove header as follows:

(a) Lower cove light cover on both sides of airplane (DC-8-50 only).

(b) Support header and disengage two attach pins.

(c) Remove header.

CAUTION: BE CAREFUL WHEN REMOVING HEADER TO AVOID DAMAGING LIGHT FIXTURES AND CEILING PANELS.

B. Install Class Divider Partition (DC-8/8F-50)

(1) Make certain circuit breakers called out in paragraph 3.A.(1) are open.

(2) Install header as follows:

(a) Lower cove light covers on both sides of airplane (DC-8-50 only).

(b) Line up attach points and engage attach pins.

CAUTION: BE CAREFUL WHEN INSTALLING HEADER TO AVOID DAMAGING LIGHT FIXTURES AND CEILING PANELS.

(3) Adjust adjusting pad out 3/4 inch.

(4) Place partition in position so that pins on top of partition mate with holes in bottom of header.

CAUTION: BE CAREFUL WHEN INSTALLING PARTITION TO AVOID SCRAPING STOWAGE RACK RAIL AND UTILITY DUCT.

(5) Move bottom of partition into position and engage floor seat track with partition-to-floor attach pin.

(6) Engage seat sidewall track with partition clamp-type bracket.

NOTE: The partition must be installed at right angles to the floor in the fore and aft plane (see paragraph C).

(7) If warning sign is installed in header, remove caps and connect electrical connector from header to partition.

(8) Install stowage rack filler panel as follows:

(a) Place panel in position.

(b) Connect strap to bracket.

(c) Tighten wingnuts.

(9) Remove caps from partition combination electrical, oxygen, and cold air connector and connect it to utility duct connection.

(10) Close circuit breakers.

(11) Check that oxygen and electrical services are available at the partition.

C. Adjustment/Test

(1) Install partition so that door hinge and doorjamb are at right angles to floor in the fore and aft plane. Use right angle (see paragraph 2) to adjust partition to correct angle.

(2) If partition is not at right angles to floor, move floor track attachment forward or aft, as required.

(3) The left and right partitions must be in the same plane. If they are not in line, move sidewall attach bracket forward or aft, as required.

(4) Adjust pip-pin adjusting knurl so that rubber washer is snug but not compressed.

D. Remove Passenger/Cargo Divider Partition (DC-8F-50) (see Figure 201)

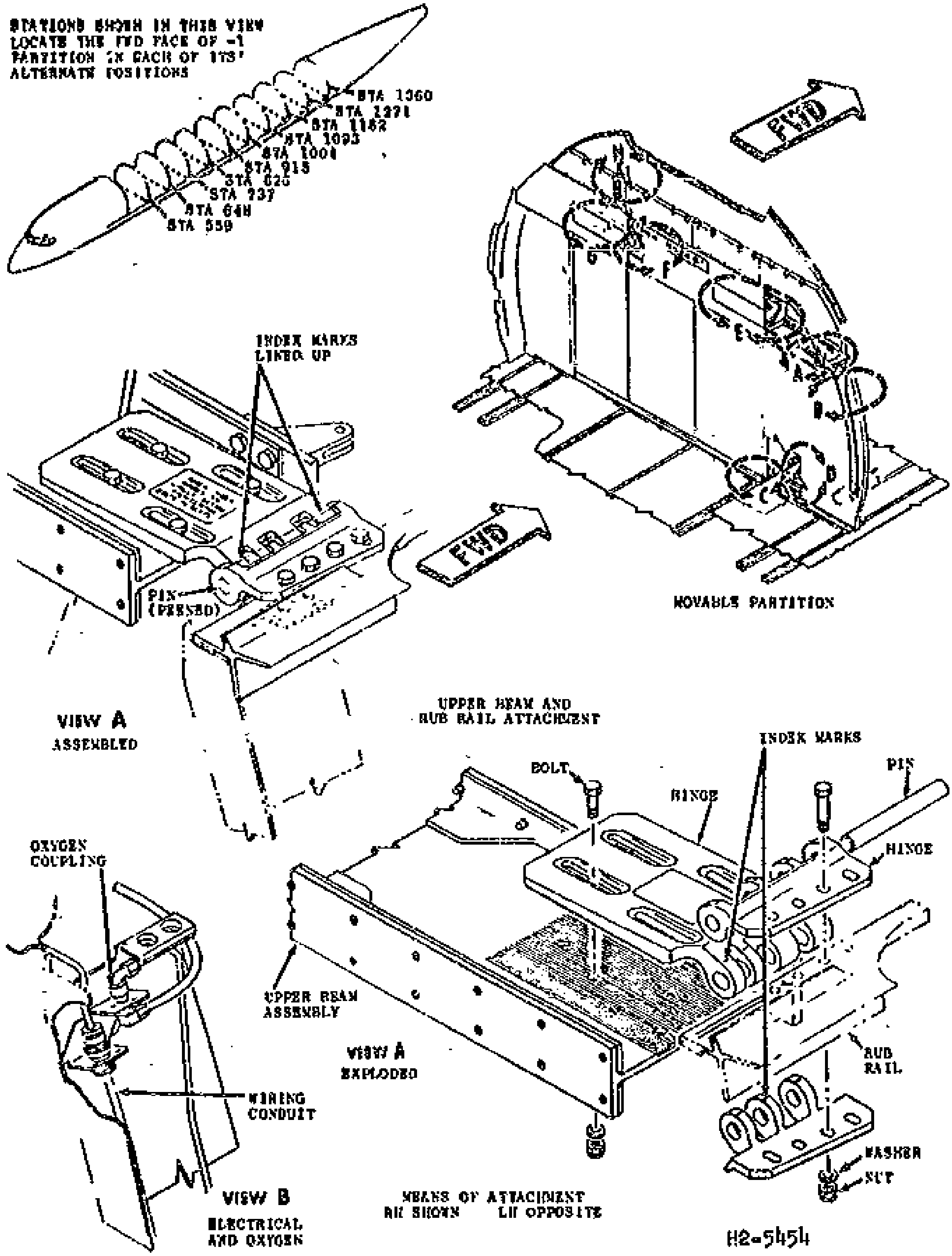
CAUTION: A MINIMUM OF THREE MEN IS REQUIRED FOR REMOVAL AND INSTALLATION OF THE UPPER BEAM. ALL OTHER OPERATIONS CAN BE PERFORMED BY TWO MEN.

(1) Open following circuit breakers:

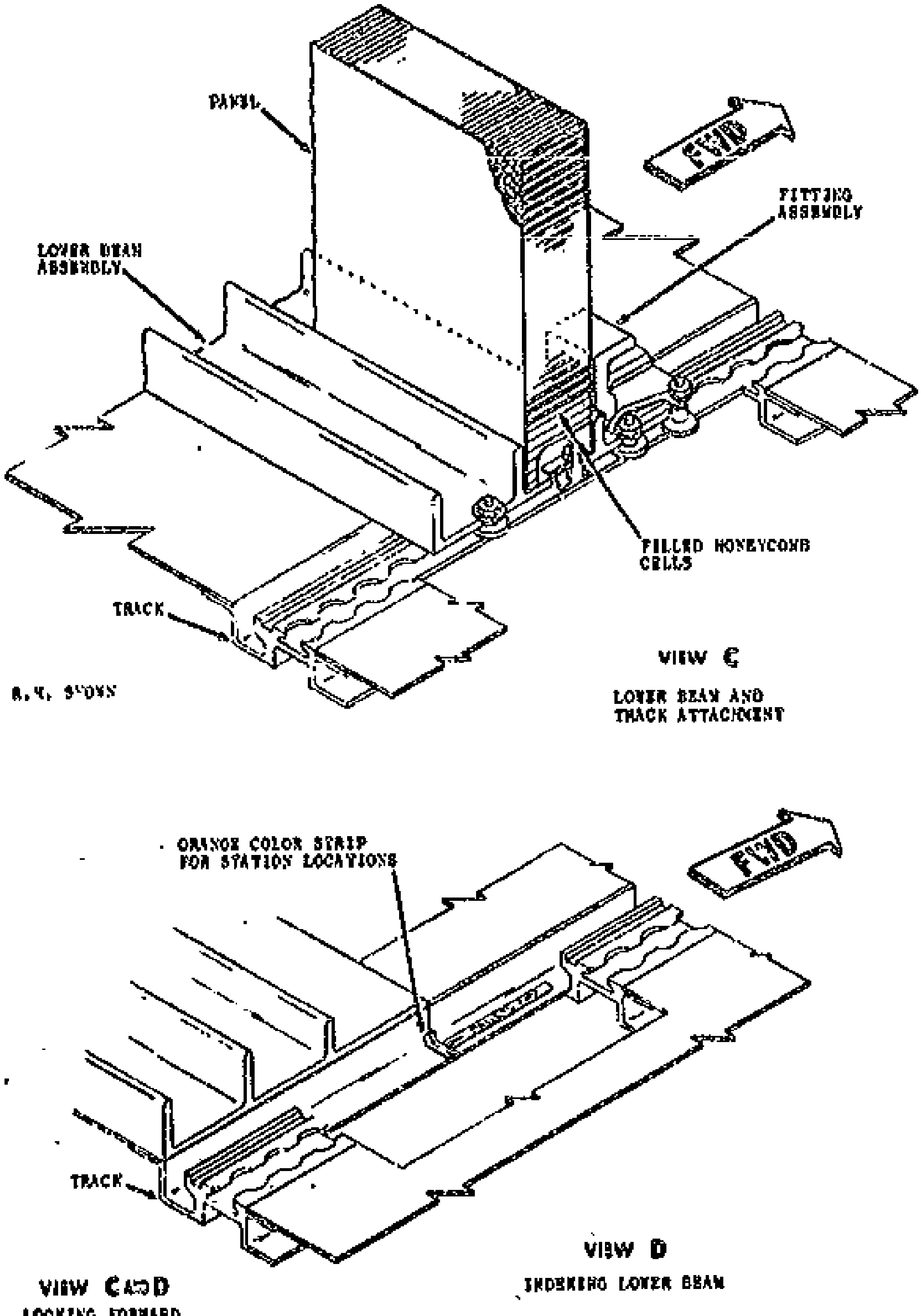
Circuit Breaker	Circuit Breaker Panel Section
ANNUNCIATOR	D-C BUS 1
PASSENGER WARNING SIGNS	D-C BUS 4
CARGO COMPARTMENT THROUGH LIGHTS	CABIN BUS 4
ENTRANCE, READING, & INSIGNIA LIGHTS	SECONDARY LIGHTING
TRAY LIGHTS, RIGHT AFT	AFT ELECTRICAL SERVICE PANEL

WARNING: TAG AND SAFETY THE CIRCUIT BREAKERS (SEE CHAPTER 20).

(2) Disconnect and cap two electrical connectors, cold air connections, and oxygen connections on forward side of right hand fairing.

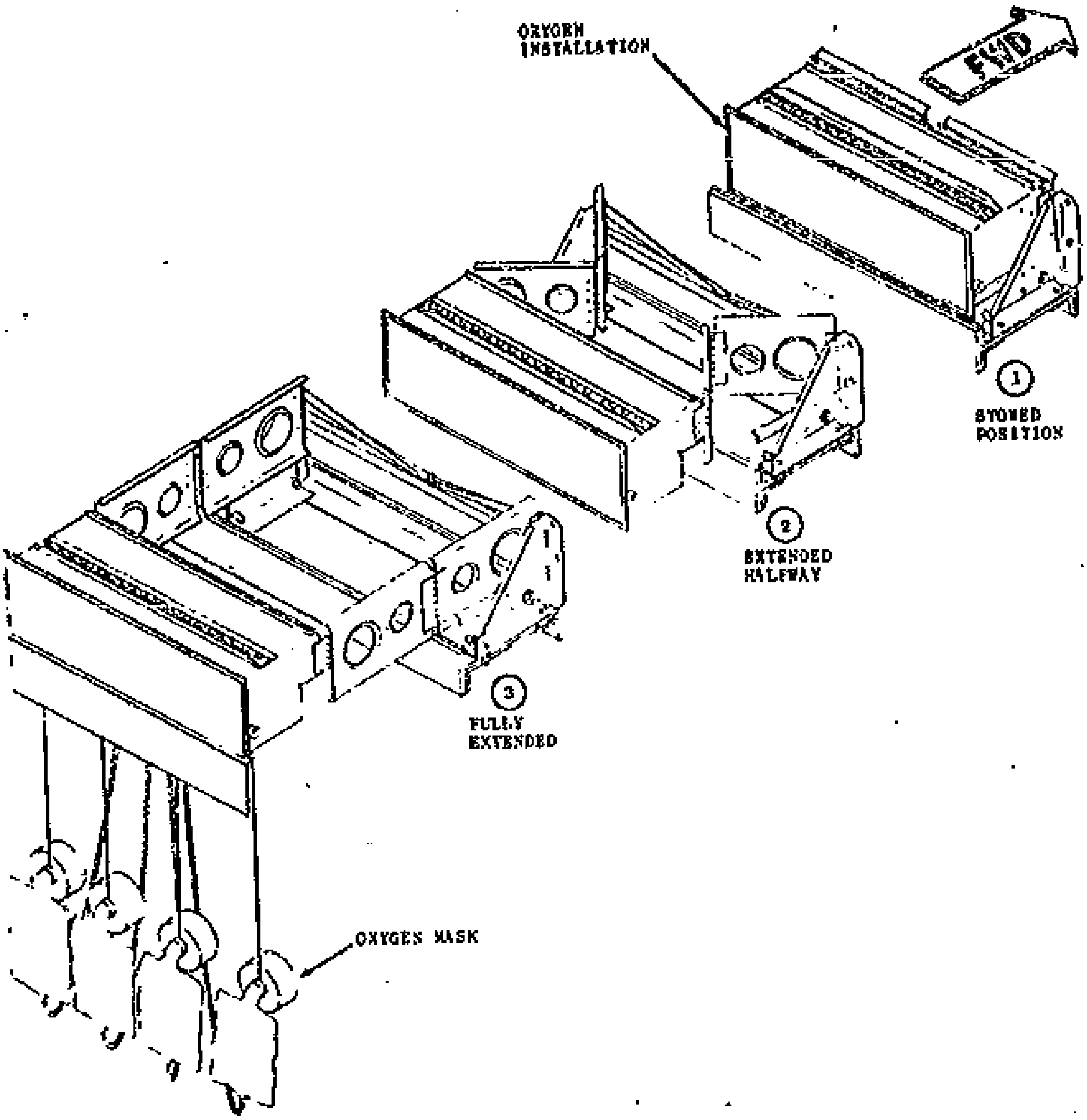


Passenger/Cargo Divider Partition --
Removal/Installation (DC-8F-50)
Figure 201 (Sheet 1)



H8-5491

Passenger/Cargo Divider Partition --
Removal/Installation (DC-8F-50)
Figure 201 (Sheet 2)

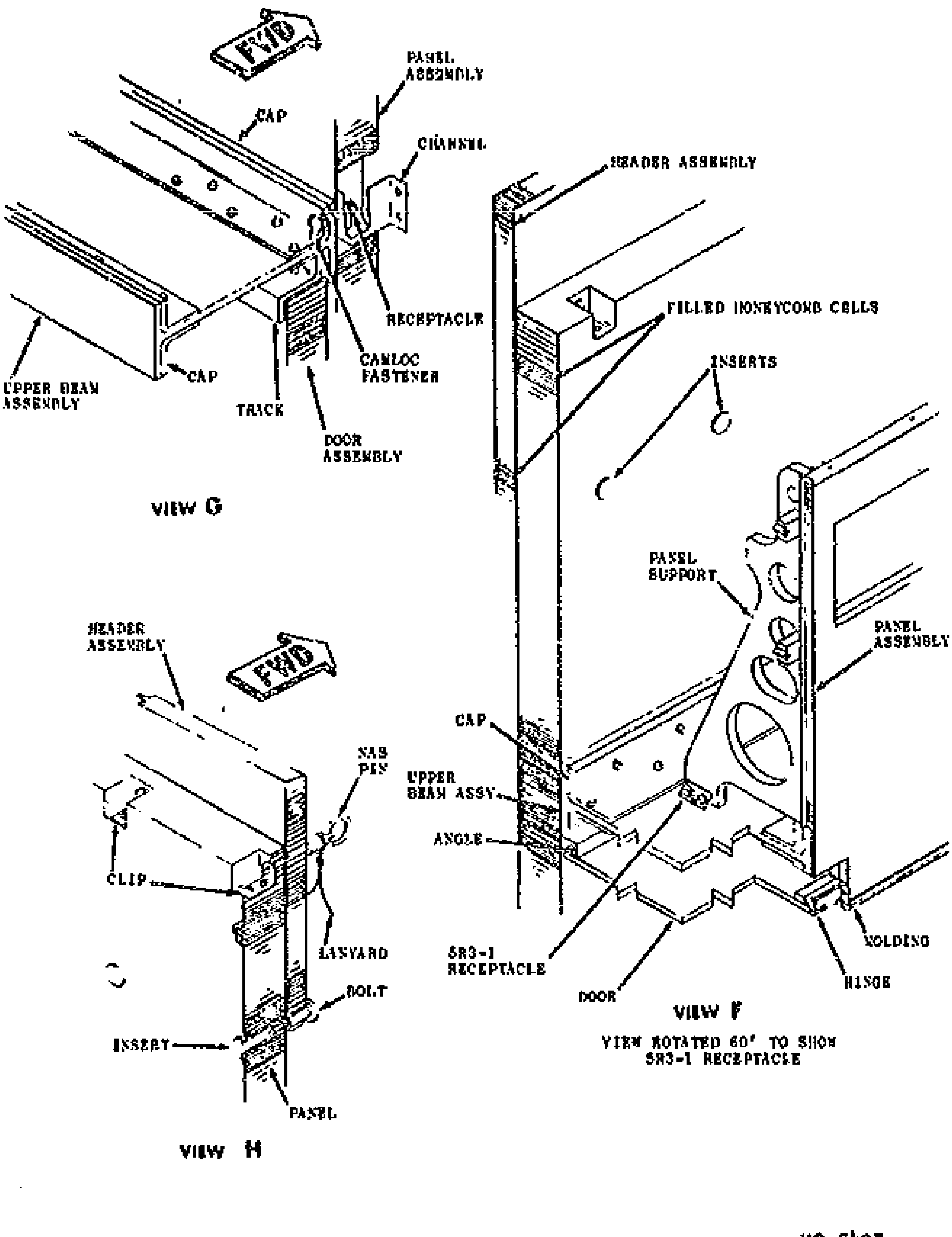


VIEW E

OXYGEN BOX INSTALLATION

H2-5492

Passenger/Cargo Divider Partition -- Removal/Installation (DC-8F-50)
Figure 201 (Sheet 3)



Passenger/Cargo Divider Partition --
Removal/Installation (DC-8F-50)
Figure 201 (Sheet 4)

(3) Remove left and right side fairings.

(a) Unsnap spring clip from seat sidewall track.

(b) Free hook from lower curtain track, and remove fairing.

(4) Remove row of pip-pins and remove header.

(5) From aft side, remove cabin attendants' seat (see 25-23-2).

(6) Remove box assembly as follows:

(a) Open hinged door at bottom of box.

(b) Reach past door and unlock camlocs securing box supports to upper beam.

(c) Pull box clear and reach up past upper beam at left side and disconnect electrical connector at work light, and remove box.

(d) Cap connectors.

(7) Unlock C-shaped fittings in forward lip of lower beam by lifting and turning aside spring and slide fittings away from panels.

(8) Unlock camlocs securing center and side panels to upper beam, and lift panels out of lower beam slot.

CAUTION: TAKE CARE TO AVOID DAMAGING TRIM STRIPS BETWEEN PANELS.

NOTE: Remove panels in sequence, starting at left side.

(9) Slide door at left side inboard till free of upper track, and lift out of lower beam slot.

(10) Remove upper beam as follows:

(a) With one man supporting beam in the center, and one man at each end, remove bolts securing hinged fittings to left and right rub rails.

(b) Open hinged fittings, lower beam to clear rub rails, and remove.

(11) Remove lower beam as follows:

(a) Unlock buttons by lifting springs clear of slotted holes.

(b) Slide buttons in slots to align with holes in floor track.

(c) Check to make sure C-shaped fittings are forward, and lift beam clear of floor tracks.

E. Install Passenger/Cargo Divider Partition (DC-8F-50)

(1) Make certain circuit breakers called out in paragraph 3.D.(1) are open.

(2) Install upper beam as follows:

(a) With one man supporting beam in center, and one at each end, close hinged fittings over left and right rub rails and install and tighten attach bolts.

(b) Check index lines on hinged fittings. If not aligned, loosen bolts attaching fittings to beam, and slide beam to left or right to align indexes. Tighten attach bolts.

NOTE: If index lines on one or both fittings are not aligned, the beam is not in proper position, and difficulty will be encountered when installing panels.

(3) Install lower beam and center and side panels as follows:

(a) Place buttons on bottom of beam in holes in floor track.

NOTE: The center vertical leg of the lower beam extrusion must be in the same horizontal plane as the forward edge of the upper beam.

(b) Lock buttons in lower beam by depressing springs into slotted holes.

(c) Place panels in forward slot of lower beam and secure to upper beam with camlocs.

CAUTION: TAKE CARE TO AVOID DAMAGING TRIM STRIPS BETWEEN PANELS.

NOTE: Install panels in sequence, starting at right side.

(d) Slide C-shaped fittings forward against panels and depress springs into position to lock fittings.

(4) Place door in lower beam center slot inboard of the end of the upper track, and slide door outboard.

(5) Install box assembly as follows:

(a) Uncap and connect electrical connector to work light.

(b) Fasten camlocs securing box supports to upper beam.

(c) Close hinged door.

(6) Install left and right side fairings.

(a) Engage hook with lower curtain track, and snap spring clip over seat sidewall track.

(7) Install cabin attendants' seat (see 25-23-2).

(8) From the forward side of the partition, install header and secure it with pip-pins.

(9) Remove caps and connect two electrical connectors, cold air connections, and oxygen connections on forward side of right hand fairing.

(10) Close circuit breakers.

(11) Check that oxygen and electrical services are available at the partition.

F. Remove Class Divider Partition (DC-8-60) (see Figure 202)

NOTE: Removal procedures for the right and left partition panels are identical.

(1) Open circuit breaker, located on the EPC circuit breaker panel, for passenger warning signs. Tag and safety circuit breaker.

(2) Disconnect electrical leads to passenger warning sign on curtain header or on partitions.

(3) Disconnect electrical connector in recess in panel upper outboard edge, and pull wire leading from stowage rack from panel.

(4) Remove curtain and curtain header.

(5) Unlock seat track attachments on each leg of partition panel by rotating locking pin to release.

(6) Open access doors on upper edge of partition panel and pull ball locking pins down to disengage pins from header holes.

(7) Lift panel from seat track and remove panel.

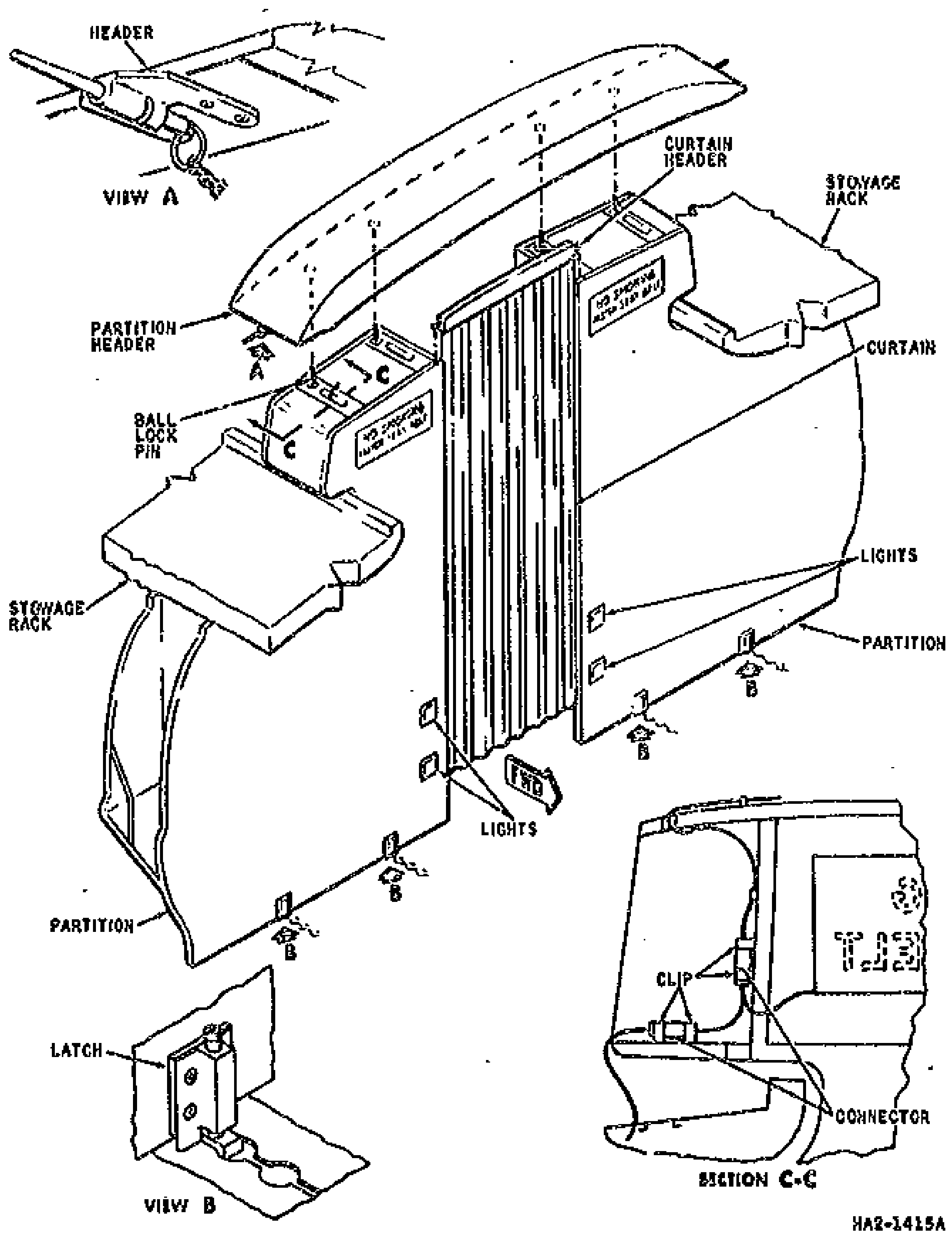
(8) Retract header attaching pins on outboard edge of header and remove header.

G. Install Divider Partition (DC-8-60) (see Figure 202)

NOTE: Installation procedures for the right and left partition panels are identical.

(1) Place header in installed position and insert attaching pins into mounting holes behind the cove lights at outboard edges of the header.

(2) Place panel in upright position beneath header ensuring that panel is in vertical position and that seat tracks attachments are inserted in seat tracks properly.



Divider Partition -- Removal/Installation (DC-8-60)
Figure 202

(3) Insert ball lockpins in header attachment holes.

(4) Lock seat track attachments by rotating locking pins.

(5) Insert jumper lead wire from stowage rack into hole in bottom edge of panel section over stowage rack; reach into panel from panel outer edge and connect wires and install in clips.

(6) Install curtain and curtain header.

(7) Connect electrical leads to passenger warning sign in curtain header or on partitions.

(8) Close passenger warning sign circuit breakers on EPC circuit breaker panel.

DIVIDER PARTITIONS - MAINTENANCE PRACTICES

1. General

A. The removal or installation of the divider partition panels does not require the removal of the header, however, if necessary to remove the header, both partition panels must first be removed. Removal/installation procedures for the left and right partition panels are identical.

2. Removal/Installation Divider Partition

A. Remove Divider Partition

(1) Open circuit breaker, located on EPC circuit breaker panel, for passenger warning signs.

CAUTION: TAG AND SAFETY CIRCUIT BREAKER.

(2) Disconnect electrical connectors.

(3) Remove curtain from header.

(4) Open access doors on upper inboard edge of each partition and pull ball locking pins downward to disengage pins from header.

(5) Support partition and unlock seat track attachments by rotating locking pin to release.

(6) Slide partition forward or aft and remove partition.

(7) Retract header attaching pins on outboard edge of header and remove header.

NOTE: It is not necessary to remove the header unless the header is damaged.

B. Install Divider Partition

(1) Place header in installed position, if removed, and insert attaching pins into mounting holes.

(2) Place partition in upright position under header, ensuring that partition is in vertical position and that seat track attachments are aligned with seat track.

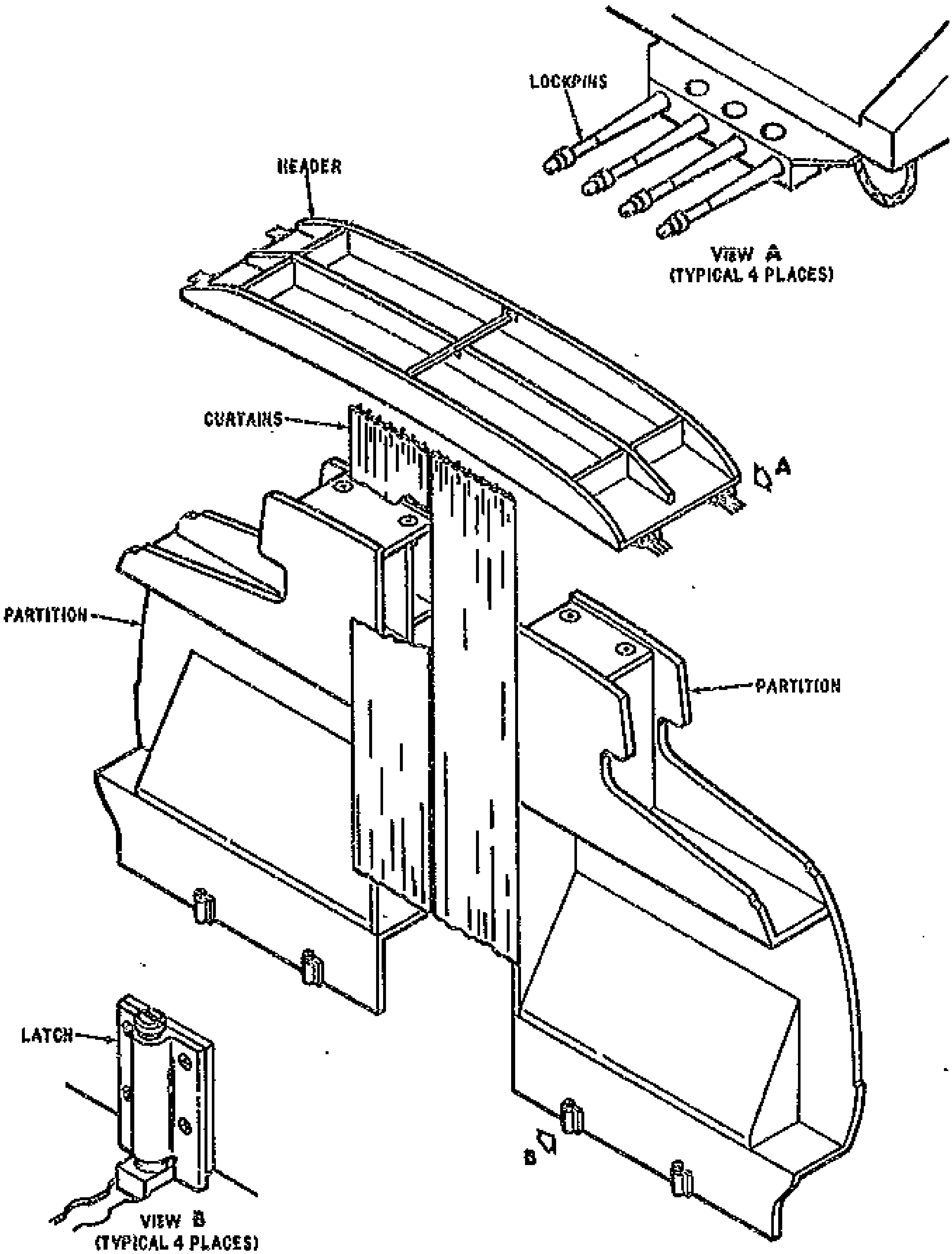
(3) Lock seat track attachments by rotating lockpins.

(4) Insert ball lockpins into header attachment holes.

(5) Connect electrical leads.

(6) Install curtain in track in header.

(7) Close passenger warning sign circuit breakers.



Divider Partition -- Removal/Installation
Figure 201

DIVIDER PARTITION - MAINTENANCE PRACTICES

1. General

   A. The passenger/cargo divider partition consists of three panels (one panel incorporating a sliding door) joined by a support beam on the forward face of the partition. When assembling, the partition panels are placed in a channel on the floor and positioned in a vertical plane.

   B. Removal/installation procedures for the right and left class divider partition panels are identical.

2. Removal/Installation Divider Partition

   A. Remove Divider Partition

      (1) Open circuit breaker, located on EPC circuit breaker panel, for passenger warning signs. Tag and safety circuit breaker.

      (2) Disconnect electrical leads to passenger warning sign on curtain header or on partitions.

      (3) Disconnect electrical connector in recess in panel upper outboard edge, and pull wire leading from stowage rack from panel.

      (4) Remove curtain and curtain header.

      (5) Unlock seat track attachments on each leg of partition panel by rotating locking pin to release.

      (6) Open access doors on upper edge of partition panel and pull ball locking pins down to disengage pins from header holes.

      (7) Lift panel from seat track and remove panel.

      (8) Retract header attaching pins on outboard edge of header and remove header.

   B. Install Divider Partition

      (1) Place header in installed position and insert attaching pins into mounting holes behind cove lights at outboard edges of header.

      (2) Place panel in upright position beneath header ensuring that panel is in vertical position and that seat track attachments are inserted in seat tracks properly.

      (3) Insert ball lockpins in header attachment holes.

      (4) Lock seat track attachments by rotating locking pins.

(5) Insert jumper lead wire from stowage rack into hole in bottom edge of panel section over stowage rack; reach into panel from panel outer edge and connect wires and install in clips.

(6) Install curtain and curtain header.

(7) Connect electrical leads to passenger warning sign in curtain header or on partitions.

(8) Close passenger warning sign circuit breakers on EPC circuit breaker panel.

3. Removal/Installation Passenger/Cargo Divider Partition

A. Remove Passenger/Cargo Divider Partition (See Figure 201.)

(1) Disconnect electrical wires.

CAUTION: MAKE CERTAIN THAT APPLICABLE CIRCUIT BREAKERS ARE OPEN, TAGGED, AND SAFETIED.

(2) Disconnect and cap oxygen lines.

(3) Disengage camloc fasteners attaching sliding door to rollers and remove door.

(4) Remove rollers from channel in support beam.

NOTE: Attach rollers to bracket on door for storage purposes.

(5) Disengage support beam from partition panels by releasing camloc fasteners.

(6) Remove pins securing support beam to fuselage and carefully remove beam.

CAUTION: LENGTH OF SUPPORT BEAM AND WIDTH OF FUSELAGE ARE APPROXIMATELY SAME DIMENSION. EXERCISE CARE WHEN REMOVING BEAM TO PREVENT DAMAGE TO FUSELAGE SIDEWALLS.

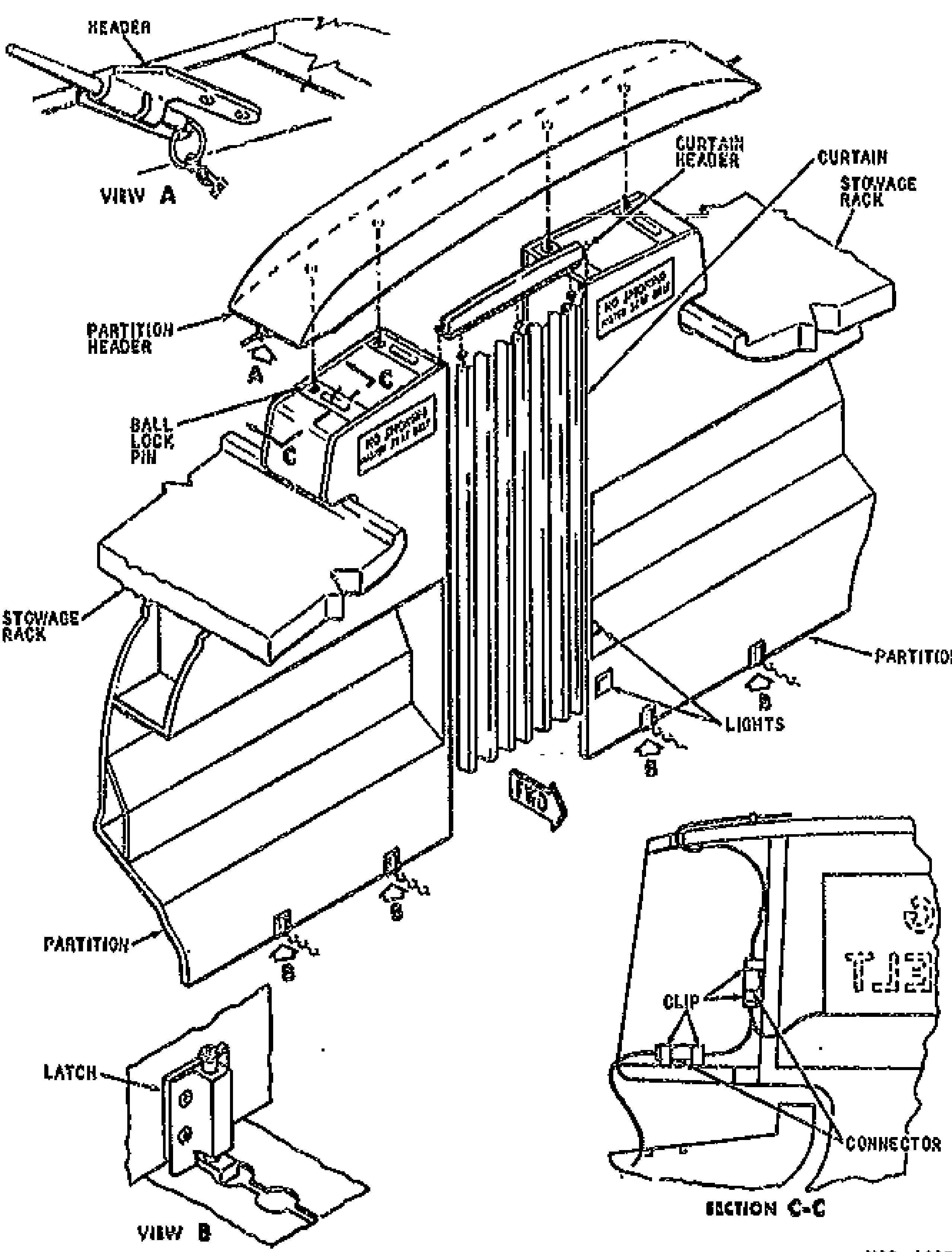
(7) Fold down ceiling tabs at top of outboard partition panels.

(8) Disengage vertical lap plates securing center panel to outboard panels and fold attendant's seat.

CAUTION: SUPPORT RIGHT AND LEFT PARTITION PANELS TO PREVENT DAMAGE TO PANELS OR AIRCRAFT SIDEWALLS.

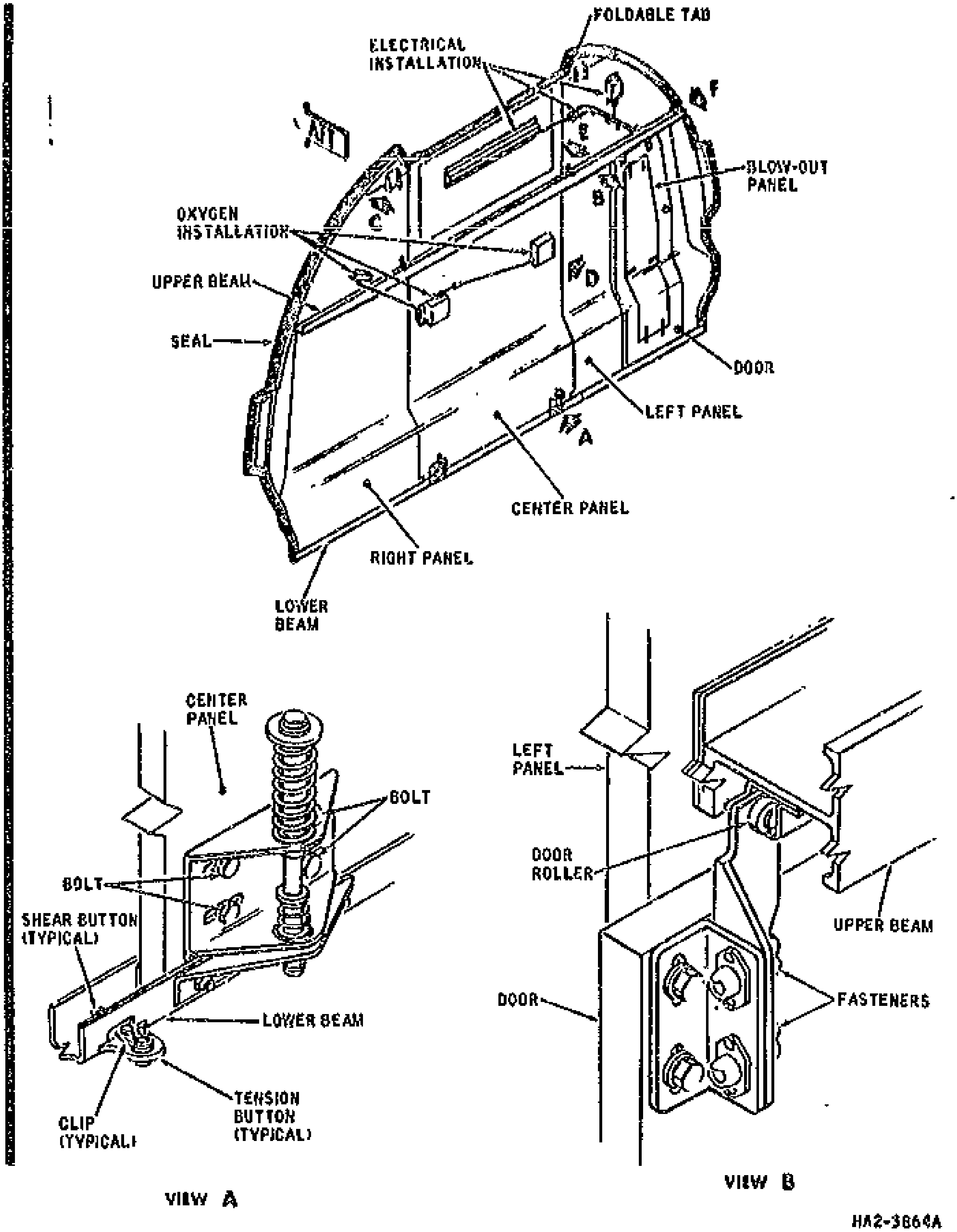
(9) Remove center panel floor attaching bolts from floor channel.

(10) Lift center partition panel and remove.

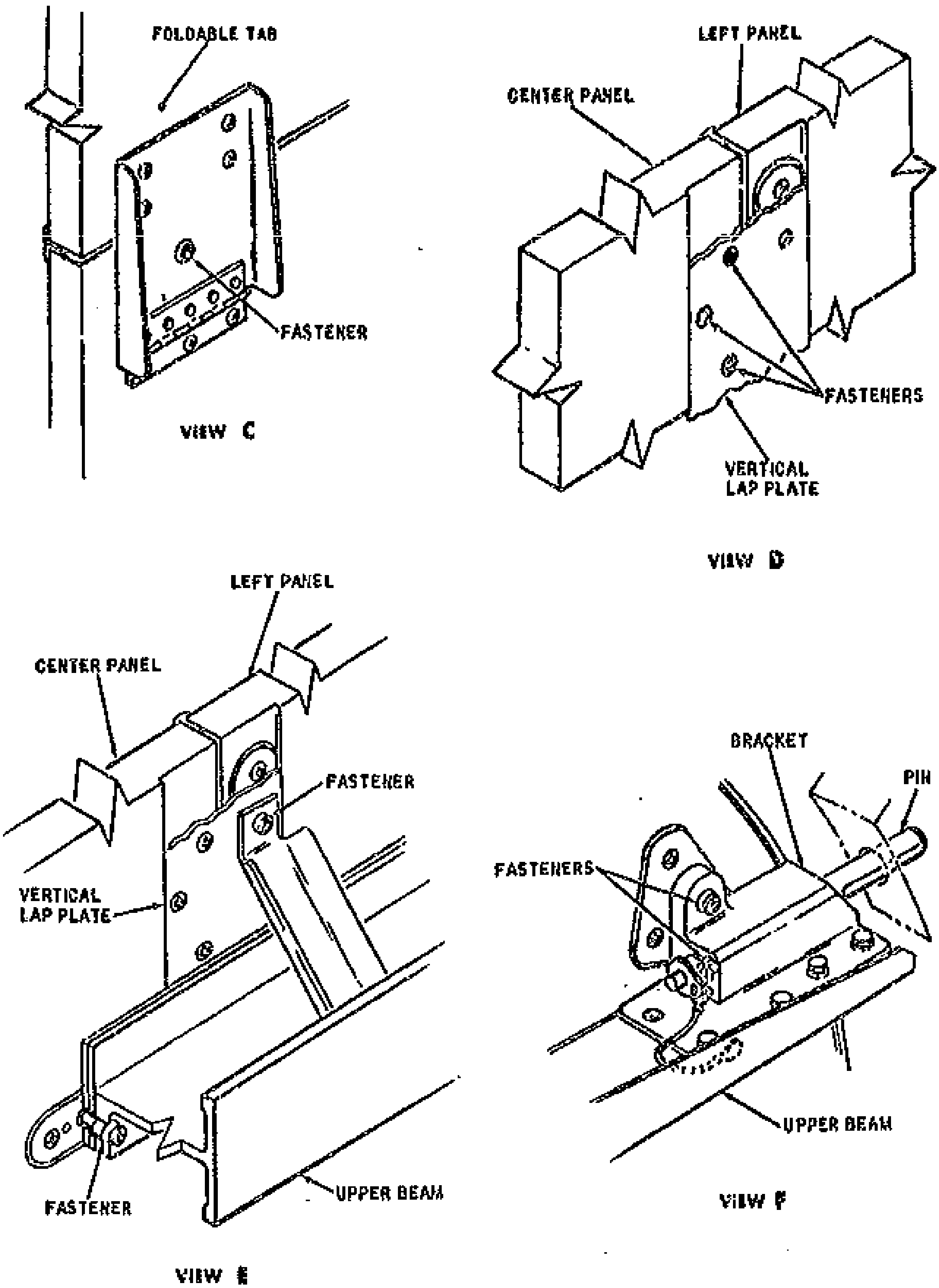


HA2- 1415B

Divider Partition -- Removal/Installation
Figure 201



Passenger/Cargo Divider Partition -- Removal/Installation
Figure 202 (Sheet 1)



HA2-4884

Passenger/Cargo Divider Partition -- Removal/Installation
Figure 202 (Sheet 2)

(11) Lift outboard partition panels and remove.

(12) Remove floor channel as follows:

(a) Lift tension button clips from slots in floor channel and move buttons until centered in holes in seat tracks.

(b) Remove floor channel from seat tracks.

B. Install Passenger/Cargo Divider Partition (See Figure 201.)

NOTE: Make certain that applicable circuit breakers are open, tagged, and safetied.

(1) Fasten floor channel to seat tracks as follows:

(a) Lift tension button clips from slots in floor channel so that buttons move freely.

(b) Insert shear buttons in holes in seat track.

(c) Insert tension buttons in holes in seat track and slide buttons aft until tension button clips engage in floor channel slots.

(2) Unlock camloc fasteners securing ceiling tabs at top of outboard partition panels and fold tabs down.

(3) Place outboard partition panels in floor channel and slide panels toward sidewall until positioned.

CAUTION: SUPPORT RIGHT AND LEFT PARTITION PANELS TO PREVENT DAMAGE TO PANELS OR AIRCRAFT SIDEWALLS.

(4) Place center partition panel in floor channel and support in vertical position.

(5) Install floor attaching bolts attaching center partition panel to floor channel.

(6) Engage vertical lap plates securing center partition panel to outboard partition panels by rotating camloc fasteners.

(7) Carefully lift support beam into position and insert pins securing beam to fuselage fittings.

CAUTION: LENGTH OF THE SUPPORT BEAM AND WIDTH OF FUSELAGE ARE APPROXIMATELY SAME DIMENSION. EXERCISE CARE WHEN INSTALLING BEAM TO PREVENT DAMAGE TO FUSELAGE SIDEWALLS.

(8) Engage all camloc fasteners securing support beam to all partition panels.

(9) Place ceiling tabs in position and engage fasteners.

(10) Check and ensure that seals on outboard partition panels are faired and positioned with edges toward cargo compartment.

(11) Place sliding door rollers into track on support beam and install roller stops.

(12) Place and support sliding door in floor channel.

(13) Engage camloc fasteners on roller bracket to fittings on door.

(14) Uncap and connect oxygen lines.

(15) Connect all electrical wires.

(16) Close circuit breakers.

PARTITIONS - MAINTENANCE PRACTICES

1. Removal/Installation

   A. Removal - Partitions

      (1) Lower folddown attendant's seat and remove attachments from base of seat legs (see Figure 201). Aft R/H partition only.

      NOTE: Removal/Installation procedures for forward and aft partitions are similar and text applies to both, except forward partition has no seat.

      (2) Unlock latches and/or remove attachments at partition base and slide bottom of partition forward or aft approximately 1/2 inch to free latch from seat track.

      (3) Gain access to upper partition attachments through ceiling panel doors and remove attachments.

      (4) Slide partition inboard until sidewall pins clear their receptacle holes.

      (5) Remove partition and attendant seat.

   B. Installation - Partitions

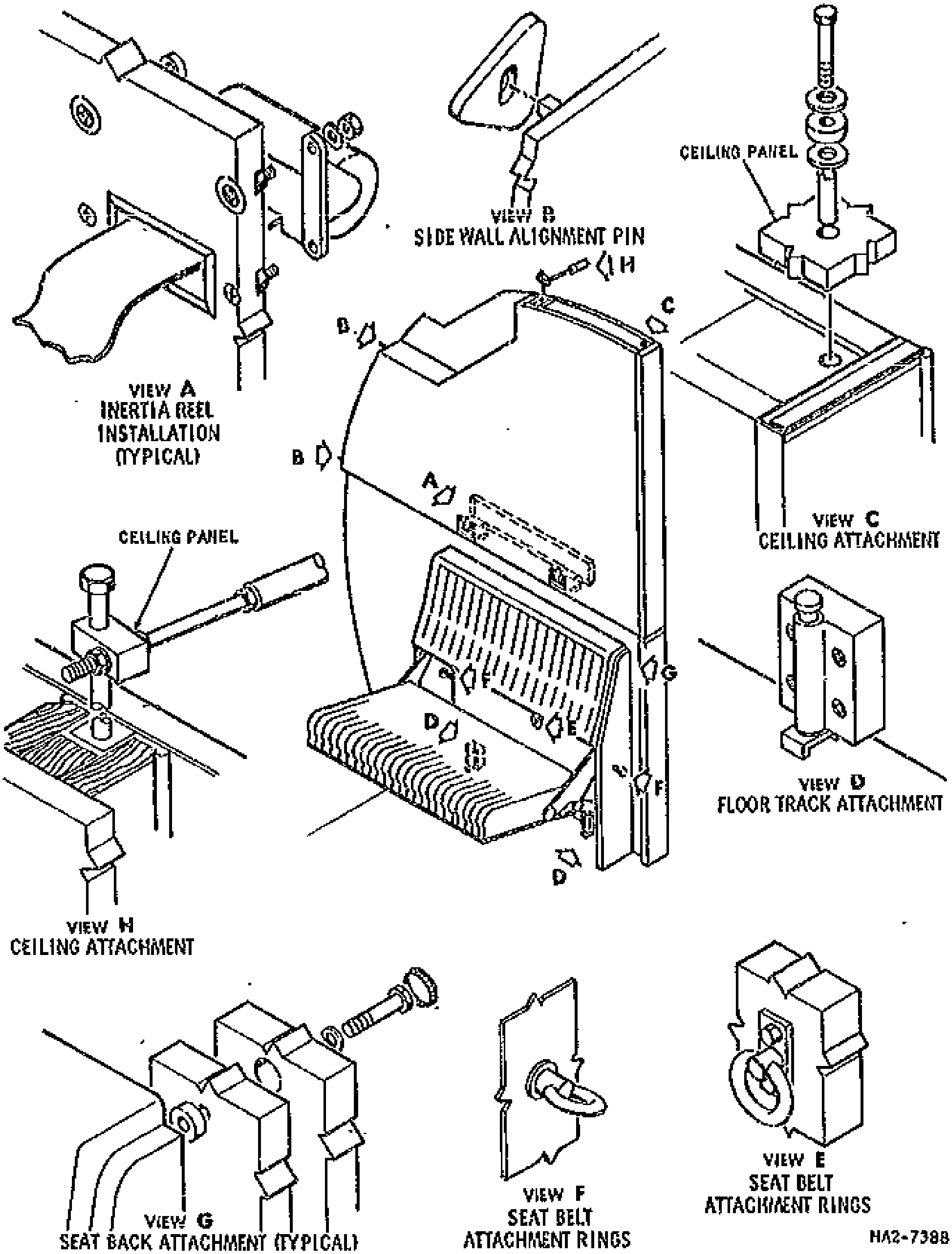
      (1) Place partition into position, sliding inboard as sidewall pins go into their receptacles.

      (2) Install upper partition attachments and leave loose for now.

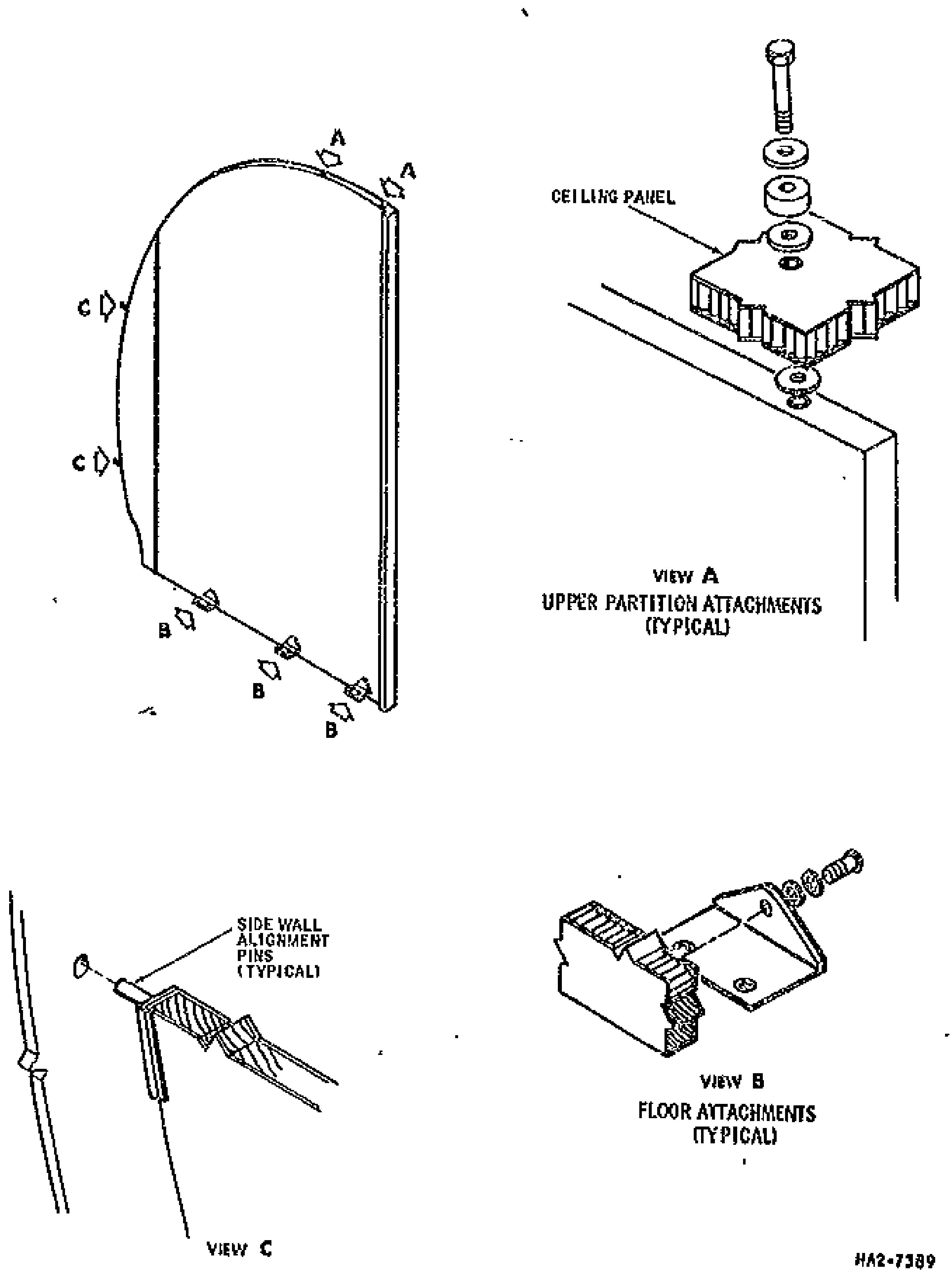
      (3) Install latches into seat tracks at lower end of partition and slide forward or aft until latch locks in place, and/or install base attachments, whichever applies.

      (4) Install seat base attachments, aft R/H partition only.

      (5) Tighten upper partition attachments and close ceiling doors.



Mid Cabin Partition and Attendant's Seat
Figure 201



R.S. Partition
Figure 202

REMOVABLE STOWAGE COMPARTMENT - MAINTENANCE PRACTICES

1. General

   A. The removable stowage (coatroom) compartment is located forward of the forward service door on the right side of the airplane.

2. Removal/Installation - Removable Stowage Compartment

   A. Remove - Stowage Compartment

      (1) Remove coat hangers.

      (2) Remove curtain from compartment header curtain track by removing stop at either end of track.

      (3) Remove curtain and tube from bracket on aft face of stowage compartment aft partition and from galley.

      (4) Release camlocs on compartment header and remove header.

      (5) Release camlocs on compartment shelf and remove shelf and coat rod.

      (6) Unlatch floor attachments on compartment aft partition.

      (7) Remove compartment aft partition by sliding partition inboard to release sidewall support pins.

      (8) Release ball lockpin attaching compartment forward partition to ceiling.

      (9) Unlatch floor attachments on compartment forward partition.

      (10) Remove compartment forward partition by sliding partition inboard to release sidewall support pins.

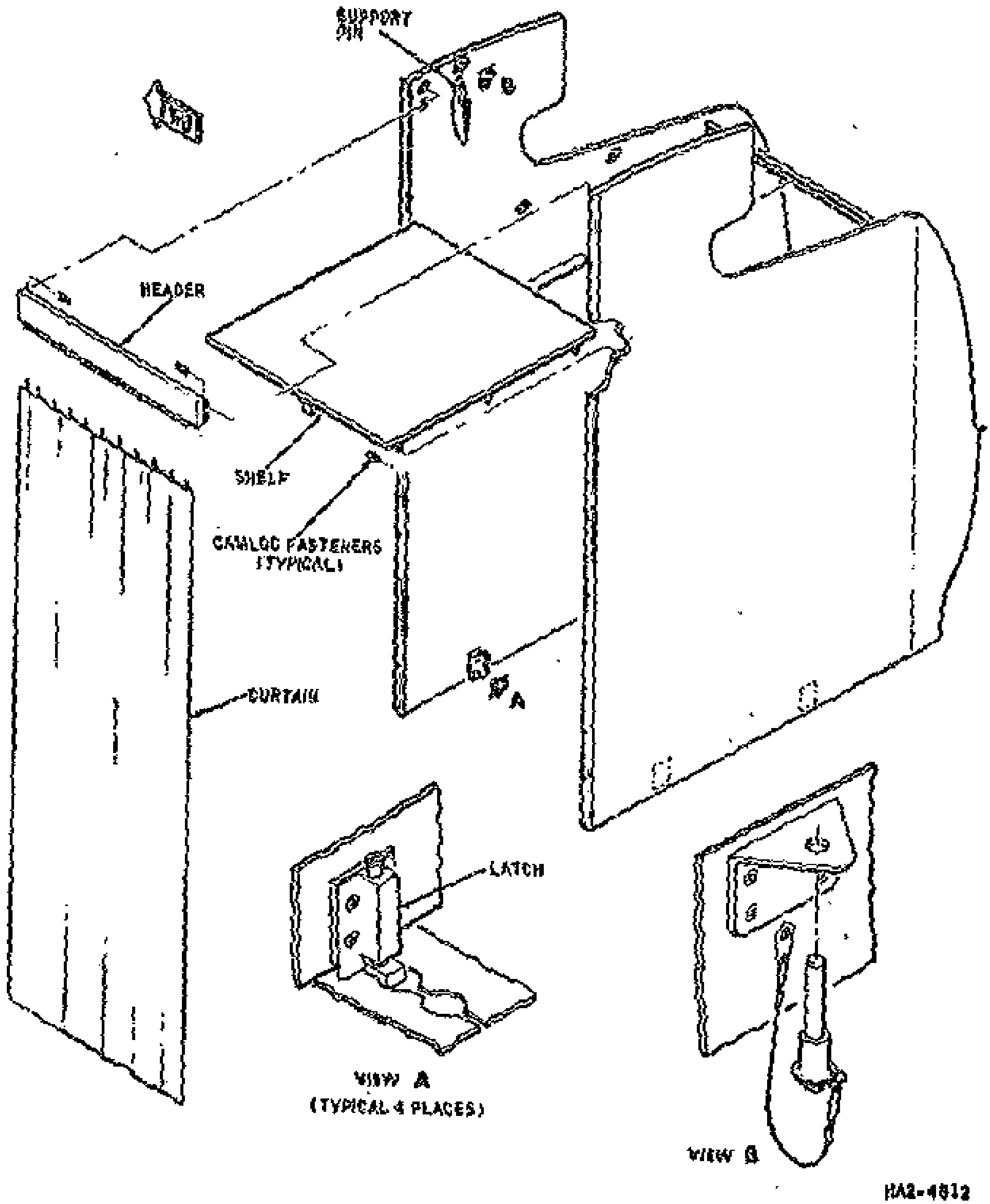
   B. Install - Stowage Compartment

      (1) Support compartment forward partition into position making certain support pin on outboard edge of partition is properly seated in sidewall support bracket.

      (2) Latch floor attachments.

      (3) Attach top of compartment forward partition to the ceiling support bracket with ball lock pin.

      (4) Support compartment aft partition into position making certain support pin on outboard edge of partition is properly seated in sidewall support bracket.



Removable Stowage Compartment -- Removal/Installation
Figure 201

(5) Latch floor attachments.

(6) Place compartment header into position between the two partitions and fasten camlocs.

(7) Place shelf and coatrod into position and fasten camlocs.

(8) Install curtain into compartment header curtain track and replace stop.

(9) Install curtain and tube between stowage compartment and galley.